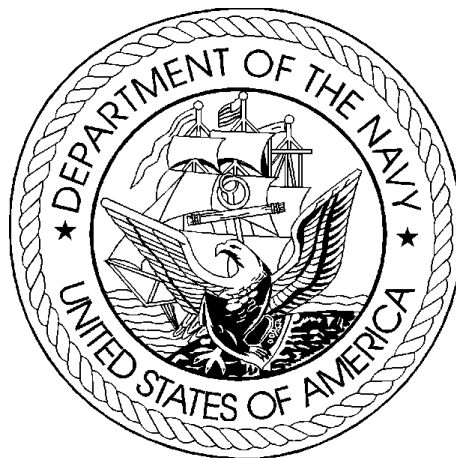


DEPARTMENT OF THE NAVY  
FISCAL YEAR (FY) 2007  
BUDGET ESTIMATES SUBMISSION



JUSTIFICATION OF ESTIMATES  
FEBRUARY 2006

PROCUREMENT OF AMMUNITION,  
NAVY AND MARINE CORPS  
BUDGET ACTIVITY 2

## UNCLASSIFIED

DEPARTMENT OF THE NAVY  
FY 2007 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 1508N PROCUREMENT OF AMMO, NAVY &amp; MARINE CORPS

DATE: FEBRUARY 2006

## MILLIONS OF DOLLARS

LINE NO	ITEM NOMENCLATURE	IDENT CODE	FY 2005 QUANTITY	FY 2005 COST	FY 2006 QUANTITY	FY 2006 COST	FY 2007 QUANTITY	FY 2007 COST	S E C
BUDGET ACTIVITY 02: PROC AMMO, MC									
-----									
MARINE CORPS AMMUNITION									
17	5.56 MM, ALL TYPES	A		34.6		37.0		24.4	U
18	7.62 MM, ALL TYPES	A		13.7		13.6		14.8	U
19	LINEAR CHARGES, ALL TYPES	A		23.4		40.6		8.0	U
20	.50 CALIBER	A		11.3		34.4		6.4	U
21	40 MM, ALL TYPES	A		32.1		58.4		39.4	U
22	60MM, ALL TYPES	A		15.7		16.0		2.9	U
23	81MM, ALL TYPES	A		34.8		17.0		57.4	U
24	120MM, ALL TYPES	A		43.8		9.4		32.9	U
25	CTG 25MM, ALL TYPES	A		8.4		2.1		9.5	U
26	9 MM ALL TYPES	A		7.9				4.2	U
27	GRENADERS, ALL TYPES	A		10.4		5.2		16.7	U
28	ROCKETS, ALL TYPES	A		22.5		7.2		10.2	U
29	ARTILLERY, ALL TYPES	A		57.3		43.4		35.5	U
30	EXPEDITIONARY FIGHTING VEHICLE	A		2.5		5.7		9.5	U
31	DEMOLITION MUNITIONS, ALL TYPES	A		15.1		5.8		8.3	U
32	FUZE, ALL TYPES	A		15.6		3.6		.6	U
33	NON LETHALS	B		1.1		1.1		4.0	U
34	AMMO MODERNIZATION	A		7.5		8.9		7.7	U

UNCLASSIFIED

UNCLASSIFIED

DEPARTMENT OF THE NAVY  
FY 2007 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 1508N PROCUREMENT OF AMMO, NAVY & MARINE CORPS

DATE: FEBRUARY 2006

		MILLIONS OF DOLLARS						
LINE		IDENT	FY 2005		FY 2006		FY 2007	S
NO	ITEM NOMENCLATURE	CODE	QUANTITY	COST	QUANTITY	COST	QUANTITY	E
----	-----	----	-----	-----	-----	-----	-----	C
								-
35	ITEMS LESS THAN \$5 MILLION	A		4.8		18.0		U
				-----		-----		
	TOTAL PROC AMMO, MC			362.4		327.4		292.5
				-----		-----		
	TOTAL PROCUREMENT OF AMMO, NAVY & MARINE CORPS			362.4		327.4		292.5

UNCLASSIFIED

**Fiscal Year 2007 Budget Estimates**  
**Budget Appendix Extract Language**

**PROCUREMENT OF AMMUNITION, NAVY AND MARINE CORPS**

For construction, procurement, production, and modification of ammunition, and accessories therefore; specialized equipment and training devices; expansion of public and private plants, including ammunition facilities, authorized by section 2854 of title 10, United States Code and the land necessary therefore, for the foregoing purposes, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title; and procurement and installation of equipment, appliances, and machine tools in public and private plants; reserve plant and Government and contractor-owned equipment layaway; and other expenses necessary for the foregoing purposes, \$789,943,000, to remain available for obligation until September 30, 2009, of which \$19,600,000 shall be available for the Navy Reserve and Marine Corps Reserve. (Department of Defense Appropriations Act, 2006.)



## PROGRAM

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## PROGRAM ASSESSMENT

### Marine Corps Expeditionary Warfare

Expeditionary warfare is the temporary use of Marine Corps force in foreign countries. The expeditionary warfare program consists of specific investment programs for aviation assets, amphibious ships, weapons systems, equipment, vehicles, ammunition, and research and development.

#### NOT PERFORMING

##### Results Not Demonstrated

- **The Department of Defense has not set long-term performance measures to guide program management and budgeting for expeditionary warfare.** It does not have program measures that assess the most important aspects of expeditionary warfare and its strategic goals.
- **The Department of Defense will review the Marine Corps' lift requirements, both sea and air, and other expeditionary warfare capabilities as part of its 2005 Quadrennial Defense Review.**
- **Marine Corps expeditionary warfare fulfills a distinct role in the national defense.** While both the Army and Marine Corps constitute the Nation's land forces, each force provides unique and complementary capabilities for carrying out military missions. Maritime-based Marines provide a swift and effective means of responding to crises.

**We are taking the following actions to improve the performance of the program:**

- Developing a limited number of meaningful, long-term performance measures for the expeditionary warfare program.
- [Details and Current Status of this program assessment.](#)
- [How all Federal programs are assessed.](#)
- [Learn more about Marine Corps Expeditionary Warfare.](#)

Exhibit P-40, Budget Item Justification							Date: FEBRUARY 2006				
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				P-1 Item Nomenclature: (101000) 5.56MM, ALL TYPES							
Program Element for Code B Items:				Other Related Program Elements							
	ID Code	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011		To Complete	Total Program
Proc Qty											
Gross Cost	A	34.631	36.959	24.365	12.833	26.882	40.794	25.858			202.322
<p>Description: The Cartridge, Ball M855 10/Clip (DODIC A059) is the primary ball ammunition for the M16A2 Rifle and can be used in the M249 Squad Automatic Weapon (SAW) with a magazine.</p> <p>The Cartridge, 5.56mm Dummy M199 (DODIC A060) is used in the M16 Rifle series for training personnel in loading or unloading, simulating fire and rifle inspection. The M199 Cartridge contains neither primer nor propellant.</p> <p>The Cartridge, 5.56mm Ball M855 Linked (DODIC A062) is used in the M249 Squad Automatic Weapon (SAW) Machine Gun and is intended for training during dry conditions where tracer ammunition is restricted from use.</p> <p>The Cartridge, 5.56mm 4 Ball M855/1 Tracer M856 Linked (DODIC A064) is the standard ammunition used for combat and training in the M249 Squad Automatic Weapon (SAW) Machine Gun. The M856 Tracer cartridge is intended to permit visible observation of the bullet's in-flight path or trajectory to the point of impact.</p> <p>The Cartridge, 5.56mm Plastic Ball Practice M862 (DODIC A065) is a short range cartridge used for training purposes with the M16 and M4 Series Rifles adapted with the M2 bolt.</p> <p>The Cartridge, 5.56mm Blank M200 Linked (DODIC A075) is used in the M249 Squad Automatic Weapon (SAW) Machine Gun. It is designed to simulate firing during training exercises. The cartridge is identified by a rosette crimp closure of the cartridge mouth.</p> <p>The Cartridge, 5.56mm Blank M200 Single Round (DODIC A080) is used in the M16A2 Rifle and can be used in the M249 Squad Automatic Weapon (SAW) Machine Gun with a magazine. It is designed to simulate firing during training exercises. The cartridge can be identified by a rosette crimp closure of the cartridge mouth.</p> <p>The Cartridge, 5.56mm Jacketed Frangible (DODIC AA40) is intended to penetrate soft targets with the projectile breaking up on impact with hard targets. The cartridge is used in the M16 series weapons.</p> <p>The Cartridge, 5.56mm Ball M855 10/Clip Commercial Pack environmentally friendly (DODIC AA45 replacing A059) will be the ball ammunition for the M16A2 Rifle and can be used in the M249 Squad Automatic Weapon (SAW) with a magazine.</p>											

Exhibit P-40, Budget Item Justification, Continued								Date: FEBRUARY 2006			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition						P-1 Item Nomenclature: (101000) 5.56MM, ALL TYPES					
Program Element for Code B Items:				Other Related Program Elements							
	ID Code	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011		To Complete	Total Program
Proc Qty											
Gross Cost	A	34.631	36.959	24.365	12.833	26.882	40.794	25.858			202.322
<p>The Cartridge, 5.56mm special match, MK 262, Non-MOLY coated (Tactical)(DODIC AA53) round provides added lethality to the M4 weapon. This .77 grain cartridge enhances special operations capabilities.</p> <p>Cartridge 5.56 Special Match Molydenum Coated (DODIC AA67). This cartridge is in support of the Marine Corps Competition in Arms Program.</p> <p>The Cartridge, 5.56mm Plastic Ball Practice M862 (DODIC AA68) is a short range cartridge used for training purposes with the M16 and M4 Series Rifles adapted with the M2 bolt. The M862 Cartridge contains a plastic projectile made of a polycarbonate blend.</p> <p>Funding changes are based on changes in the Total Munitions Requirement, the unit price of the rounds, production issues, MCCDC priorities, changes in starting inventory, the top level funding provided and programmatic issues for over 300 items across the FYDP. Each of these variables change at least once a year and result in fluctuations in the budget.</p>											
DODIC / Description		FY05 Supplemental Dollars Received									
A059, M885 Ball		1.211									
A064, 4 Ball M855/1 TR M856		4.715									
Total 5.56MM, All Types		5.926									

Exhibit P-40a, Budget Item Justification for Aggregated Items										Date:	
										FEBRUARY 2006	
Appropriation Code/Budget Activity/Serial Number:					P-1 Item Nomenclature:						
Procurement of Ammunition, Navy and Marine Corps/2/Ammunition					(101000) 5.56MM, ALL TYPES						
	ID Code	FY2005	FY2006	FY2007						To Complete	Total
AA40, CTG, 5.56MM FRANGIBLE	A	0.000	0.000	0.098							
QTY		0	0	376,923							
AA53, CTG, 5.56MM NON MOLY COATED	A	2.000	0.000	0.197							
QTY		3,773,584	0	371,698							
AA67, CTG 5.56MM MOLLY COATED	A	0.451	0.721	0.492							
QTY		902,000	1,360,377	984,000							
											</

Exhibit P-5, Cost Analysis			Weapon System			Date: FEBRUARY 2006						
Appropriation Code/Budget Activity/Serial Number:				ID Code:	P-1 Line Item Nomenclature:							
Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				A	(101000) 5.56MM, ALL TYPES							
	FY05			FY06			FY07					
	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost			
WBS COST ELEMENTS												
HARDWARE												
A059, CTG, 5.56MM BALL*												
LOAD, ASSEMBLE & PACK (LAP)	12.428	59,281,818	0.21	26.633	116,458,333	0.23	18.770	78,207,692	0.24			
BOX METAL M2A1(EA)	0.500	68,212	7.33	1.072	149,511	7.17	0.934	101,082	9.24			
A060, CTG, 5.56MM DUMMY												
LOAD, ASSEMBLE & PACK (LAP)				0.027	60,000	0.45						
A062, CTG, 5.56MM BALL LINKED*												
LOAD, ASSEMBLE & PACK (LAP)	0.313	1,280,000	0.24	0.639	2,332,142	0.27	0.267	1,011,111	0.26			
A064, CTG, 5.56MM 4 & 1 LINKED*												
LOAD, ASSEMBLE & PACK (LAP)	12.797	32,140,000	0.40	1.136	3,050,000	0.37	1.855	3,814,285	0.49			
A065, CTG, 5.56MM PLASTIC*												
LOAD, ASSEMBLE & PACK (LAP)	0.015	36,538	0.41	1.805	4,396,153	0.41	0.516	1,257,692	0.41			
A075, CTG, 5.56MM BLANK LINKED*												
LOAD, ASSEMBLE & PACK (LAP)	1.882	7,958,333	0.24	1.301	4,200,000	0.31	0.091	337,931	0.27			
A080, CTG, 5.56MM BLANK*												
LOAD, ASSEMBLE & PACK (LAP)	3.220	34,650,000	0.09	1.821	16,658,333	0.11	0.319	2,058,823	0.15			
BOX METAL M2A1(EA)	0.189	25,961	7.28	0.109	15,202	7.17	0.018	1,948	9.24			
AA45, CTG, 5.56MM BALL M855, NO LEAD*												
LOAD, ASSEMBLE & PACK (LAP)	0.025	41,791	0.60	0.732	2,000,000	0.37						
AA68, CTG 5.56MM SRTA												
LOAD, ASSEMBLE & PACK (LAP)	0.509	1,038,461	0.49									
PRODUCT												
ACCEPTANCE TESTING	0.020			0.341			0.312					
INDUSTRIAL STOCK SUPPORT	0.003			0.179			0.034					
PRODUCTION ENGINEERING	0.246			0.408			0.455					
QUALITY ASSURANCE	0.033			0.035			0.007					
*UNIT COST PROVIDED BY ARMY ROUNDED TO NEAREST TWO DIGITS												
TOTAL	32.180			36.238			23.578					

Exhibit P-5a, Procurement History and Planning					Weapon System		Date: FEBRUARY 2006			
Appropriation Code/Budget Activity/Serial Number:				P-1 Line Item Nomenclature:						
Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				(101000) 5.56MM, ALL TYPES						
	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method and Type		Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
WBS COST ELEMENTS						Contractor and Location				
A059, CTG, 5.56MM BALL										
LOAD, ASSEMBLE & PACK (LAP)										
FY 2005	59,281,818	0.21	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	ALLIANT TECH, INDEPENDENCE, MO	NOV 04	NOV 05	YES	
FY 2006	116,458,333	0.23	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	ALLIANT TECH, INDEPENDENCE, MO	JAN 06	OCT 06	YES	
FY 2007	59,100,000	0.24	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	ALLIANT TECH, INDEPENDENCE, MO	JAN 07	OCT 07	YES	
FY 2007	19,107,692	0.24	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	GENERAL DYNAMICS, FL	JUN 07	MAR 08	YES	
BOX METAL M2A1(EA)										
FY 2005	68,212	7.33	JMC, ROCK ISLAND, IL	OCT 04	C/FP	BROCKWAY STANDARD, ATLANTA, GA	FEB 05	AUG 05	YES	
FY 2006	28,211	7.17	JMC, ROCK ISLAND, IL	OCT 04	C/OP	BEST FOAM FAB, CHICAGO, IL	MAR 06	SEP 06	YES	
FY 2006	121,300	7.17	JMC, ROCK ISLAND, IL	OCT 04	C/OP	BROCKWAY STANDARD, ATLANTA, GA	JUN 06	SEP 06	YES	
FY 2007	82,489	9.24	JMC, ROCK ISLAND, IL	OCT 04	C/OP	BROCKWAY STANDARD, ATLANTA, GA	MAR 07	SEP 07	YES	
FY 2007	18,593	9.24	JMC, ROCK ISLAND, IL	OCT 04	C/OP	BEST FOAM FAB, CHICAGO, IL	JUN 07	SEP 07	YES	
A060, CTG, 5.56MM DUMMY										
LOAD, ASSEMBLE & PACK (LAP)										
FY 2006	60,000	0.45	MCSC, QUANTICO, VA	APR 06	SS/FP	UNKNOWN	SEP 06	MAR 07	YES	
A062, CTG, 5.56MM BALL LINKED										
LOAD, ASSEMBLE & PACK (LAP)										
FY 2005	1,280,000	0.24	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	ALLIANT TECH, INDEPENDENCE, MO	MAR 05	OCT 05	YES	
FY 2006	2,332,142	0.27	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	ALLIANT TECH, INDEPENDENCE, MO	FEB 06	OCT 06	YES	
FY 2007	1,011,111	0.26	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	ALLIANT TECH, INDEPENDENCE, MO	JAN 07	OCT 07	YES	
A064, CTG, 5.56MM 4 & 1 LINKED										
LOAD, ASSEMBLE & PACK (LAP)										
FY 2005	32,140,000	0.40	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	ALLIANT TECH, INDEPENDENCE, MO	NOV 04	OCT 05	YES	
FY 2006	3,050,000	0.37	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	ALLIANT TECH, INDEPENDENCE, MO	DEC 05	OCT 06	YES	
FY 2007	3,708,985	0.49	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	ALLIANT TECH, INDEPENDENCE, MO	JAN 07	OCT 07	YES	
FY 2007	105,300	0.49	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	GENERAL DYNAMICS, FL	JUN 07	MAR 08	YES	
A065, CTG, 5.56MM PLASTIC										
LOAD, ASSEMBLE & PACK (LAP)										
FY 2005	36,538	0.41	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	OLIN WINCHESTER, EAST ALTON, IL	MAR 05	MAR 06	YES	
FY 2006	4,396,153	0.41	JMC, ROCK ISLAND, IL	UNKNOWN	SS/FP	UNKNOWN	MAR 06	MAR 07	NO	
FY 2007	1,257,692	0.41	JMC, ROCK ISLAND, IL	UNKNOWN	SS/FP	UNKNOWN	MAR 07	MAR 08	NO	

Exhibit P-5a, Procurement History and Planning					Weapon System		Date: FEBRUARY 2006				
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				P-1 Line Item Nomenclature: (101000) 5.56MM, ALL TYPES							
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method and Type	Contractor and Location	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available	
A075, CTG, 5.56MM BLANK LINKED											
LOAD, ASSEMBLE & PACK (LAP)											
FY 2005	7,958,333	0.24	JMC, ROCK ISLAND, IL	OCT 04	C/FFP	ALLIANT TECH, INDEPENDENCE, MO	NOV 04	NOV 05	YES		
FY 2006	4,200,000	0.31	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	ALLIANT TECH, INDEPENDENCE, MO	FEB 06	OCT 06	YES		
FY 2007	337,931	0.27	JMC, ROCK ISLAND, IL	OCT 04	C/FFP	ALLIANT TECH, INDEPENDENCE, MO	JAN 07	OCT 07	YES		
A080, CTG, 5.56MM BLANK											
LOAD, ASSEMBLE & PACK (LAP)											
FY 2005	34,650,000	0.09	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	ALLIANT TECH, INDEPENDENCE, MO	NOV 04	NOV 05	YES		
FY 2006	16,658,333	0.11	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	ALLIANT TECH, INDEPENDENCE, MO	FEB 06	OCT 06	YES		
FY 2007	1,550,061	0.15	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	ALLIANT TECH, INDEPENDENCE, MO	JAN 07	OCT 07	YES		
FY 2007	508,762	0.15	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	ALLIANT TECH, INDEPENDENCE, MO	JAN 07	MAR 08	YES		
BOX METAL M2A1 (EA)											
FY 2005	25,961	7.28	JMC, ROCK ISLAND, IL	OCT 04	C/FFP	BROCKWAY STANDARD, ATLANTA, GA	FEB 05	JUL 05	YES		
FY 2006	12,241	7.17	JMC, ROCK ISLAND, IL	OCT 04	C/OPT	BROCKWAY STANDARD, ATLANTA, GA	MAR 06	SEP 06	YES		
FY 2006	2,961	7.17	JMC, ROCK ISLAND, IL	OCT 04	C/OPT	BEST FOAM FAB, CHICAGO, IL	JUN 06	SEP 06	YES		
FY 2007	1,948	9.24	JMC, ROCK ISLAND, IL	OCT 04	C/OPT	BROCKWAY STANDARD, ATLANTA, GA	MAR 07	SEP 07	YES		
AA45, CTG, 5.56MM BALL M855, NO											
LOAD, ASSEMBLE & PACK (LAP)											
FY 2005	41,791	0.60	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	ALLIANT TECH, INDEPENDENCE, MO	JAN 05	OCT 05	YES		
FY 2006	2,000,000	0.37	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	ALLIANT TECH, INDEPENDENCE, MO	JAN 06	OCT 06	YES		
AA68, CTG 5.56MM SRTA											
LOAD, ASSEMBLE & PACK (LAP)											
FY 2005	1,038,461	0.49	ARDEC, PICATINNY, NJ	OCT 04	C/FFP	OLIN ORDNANCE, MARION, IL	MAR 05	OCT 05	YES		







Exhibit P-40, Budget Item Justification								Date: FEBRUARY 2006			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition					P-1 Item Nomenclature: (102000) 7.62MM, ALL TYPES						
Program Element for Code B Items:				Other Related Program Elements							
	ID Code	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011		To Complete	Total Program
Proc Qty											
Gross Cost	A	13.679	13.551	14.814	5.698	8.721	6.430	6.821			69.714
<p>Description: The Cartridge, 7.62MM (DODIC A102) ball ammunition is designed for use with the AK47 rifle to provide simulated enemy actions during training evolutions.</p> <p>The Cartridge, 7.62MM blank (DODIC A103) is designed for training exercises to simulate live fire with the AK47 assault rifle.</p> <p>The Cartridge, 7.62MM Blank M82 Linked (DODIC A111) is used with blank firing attachments to simulate firing during training exercises with the M240 Machine Guns.</p> <p>The Cartridge, 7.62MM 4 Ball M80/1 Tracer M62 Linked (DODIC A131) is mainly used in the M240 Machine Guns against personnel and unarmored targets. The M62 Tracer round is intended to permit visible observation of the bullet's in-flight path or trajectory to the point of impact.</p> <p>The Cartridge, 7.62MM Ball M80 Linked (DODIC A143) is used mainly in the M240 machine guns against personnel and unarmored targets. The DODIC A143 is used to augment DODIC A131 as dictated by local fire conditions.</p> <p>The Cartridge, 7.62MM 4 M80 Ball/1 M62 Tracer Linked (DODIC A151) is mainly used in the M240 Machine Gun for training when overhead fire is required. The M62 Tracer round is intended to permit visible observation of the bullet's in-flight path or trajectory to the point of impact.</p> <p>The Cartridge, 7.62MM Long Range M118 LR (DODIC AA11) is intended for long-range sniper and match firing and is used in the M86 Sniper and the M14 Rifles. This cartridge is used in training and for missions demanding accurate single fire that typically involves sniper and marksmanship applications.</p> <p>The 7.62MM 4 Ball M80/1 Tracer M62 Linked (DODIC X131) environmentally friendly (lead free) is mainly used in the M240 Machine Guns against personnel and unarmored targets. The M80 and M62 cartridges consist of lead free composites and are intended for use against enemy personnel and for security purposes. The M62 Tracer round is intended to permit visible observation of the bullet's in-flight path or trajectory to the point of impact.</p>											

Exhibit P-40, Budget Item Justification								Date: FEBRUARY 2006			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition						P-1 Item Nomenclature: (102000) 7.62MM, ALL TYPES					
Program Element for Code B Items:					Other Related Program Elements						
	ID Code	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011		To Complete	Total Program
Proc Qty											
Gross Cost	A	13.679	13.551	14.814	5.698	8.721	6.430	6.821			69.714
Funding changes are based on changes in the Total Munitions Requirement, the unit price of the rounds, production issues, MCCDC priorities, changes in starting inventory, the top level funding provided and programmatic issues for over 300 items across the FYDP. Each of these variables change at least once a year and result in fluctuations in the budget.											

<b>DODIC / Description</b>	<b>FY05 Supplemental Dollars Received</b>
A131, 4 Ball M80/1TR M62	3.444
<b>Total 7.62mm, All Types</b>	<b>3.444</b>

Exhibit P-40a, Budget Item Justification for Aggregated Items										Date: FEBRUARY 2006	
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition					P-1 Item Nomenclature: (102000) 7.62MM, ALL TYPES						
	ID Code	FY2005	FY2006	FY2007						To Complete	Total
A102, CTG, 7.62MM X 39 FOR AK-47	A	0.086	0.980	0.165							
QTY		286,666	3,266,666	550,000							
A103, CTG 7.62MM X 39 BLANK F/AK-47	A	0.234	0.000	0.049							
QTY		754,838	0	158,064							
X131, CTG 7.62MM REHA	A	0.400	0.000	0.000							
QTY		769,230	0	0							
P40a Total		0.720	0.980	0.214							

Exhibit P-5, Cost Analysis				Weapon System			Date: FEBRUARY 2006					
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				ID Code: A	P-1 Line Item Nomenclature: (102000) 7.62MM, ALL TYPES							
WBS COST ELEMENTS	FY05			FY06			FY07					
	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost			
HARDWARE												
A111, CTG, 7.62MM BLANK LINKED*												
LOAD, ASSEMBLE & PACK (LAP)	2.326	8,460,714	0.27									
A131, CTG, 7.62MM 4 & 1 LINKED*												
LOAD, ASSEMBLE & PACK (LAP)	10.426	19,470,400	0.52	7.528	14,476,330	0.51	12.206	19,940,355	0.61			
A143, CTG, 7.62MM BALL LINKED*												
LOAD, ASSEMBLE & PACK (LAP)				2.510	4,837,735	0.52	0.595	1,127,272	0.53			
A151, CTG, 7.62MM 4 & 1 LINKED*												
LOAD, ASSEMBLE & PACK (LAP)				0.963	2,425,000	0.40	0.468	1,123,809	0.42			
AA11, CTG, 7.62MM BALL LONG RANGE*												
LOAD, ASSEMBLE & PACK (LAP)				1.285	2,294,827	0.58	1.067	1,839,344	0.58			
BOX, METAL, M1 (EA)				0.036	5,027	7.16	0.038	4,029	9.43			
PRODUCT												
PRODUCTION ENGINEERING	0.123			0.221			0.149					
QUALITY ASSURANCE				0.005			0.001					
ACCEPTANCE TESTING	0.084			0.023			0.076					
*UNIT COST PROVIDED BY ARMY ROUNDED TO NEAREST TWO DIGITS												
TOTAL	12.959			12.571			14.600					





Exhibit P-40, Budget Item Justification								Date: FEBRUARY 2006			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition						P-1 Item Nomenclature: (103000) LINEAR CHARGES, ALL TYPES					
Program Element for Code B Items:				Other Related Program Elements							
	ID Code	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011		To Complete	Total Program
Proc Qty											
Gross Cost	A	23.394	40.592	8.032	0.019	24.825	21.778	17.589			136.229
<p>Description: The Rocket Motor, 5-inch MK22 Mod 4 (DODIC J143) is a solid-fuel motor used for towing M58, M59, M68A2, and M69 Linear Demolition Charges (LDCs) into the air over obstacles or minefields for breaching, training, or test applications. The rocket motor is approximately 77 inches long, 5 inches in diameter, weighs 128 pounds, and contains 42 pounds of N-5 double-base propellant.</p> <p>The Charge, Demolition High Explosive Linear M58A4 (DODIC M913) is a trailer-mounted and rocket-towed linear demolition charge designed to provide a clear path for combat vehicles during minefield and barrier breaching operations. The demolition section consists primarily of a 3/4-inch nylon core rope, 700 composition C4 demolition blocks, and two strands of pentaerythritol tetranitrate (PETN) detonating cord. The total explosive weight of the demolition blocks is 1,750 pounds.</p> <p>The Charge, Demolition Inert Linear M68A2 (DODIC M914) is a trailer-mounted and rocket-towed inert linear demolition charge designed to simulate the launch and deployment characteristics of the M58A4 linear demolition charge for the purpose of training.</p> <p>The Linear Demolition Charge M59A1 (DODIC ML25) is a rocket-towed, linear demolition charge designed to provide a clear path for combat vehicles during minefield and barrier breaching operations.</p> <p>The MK7 MOD 2 mine clearing system, Anti-Personnel Obstacle Breaching System (APOBS) (DODIC MN79) consists of a line charge assembly and a fuze/rocket motor assembly. This item is a lightweight, self-contained, one-shot expendable system that is transported and deployed by a two-man team. APOBS uses the MK126 MOD1 rocket motor to propel a line charge over the obstacle. It is employed in combat operations to breach a lane through wire and anti-personnel mine obstacles.</p> <p>Funding changes are based on changes in the Total Munitions Requirement, the unit price of the rounds, production issues, MCCDC priorities, changes in starting inventory, the top level funding provided and programmatic issues for over 300 items across the FYDP. Each of these variables change at least once a year and result in fluctuations in the budget.</p> <p>FY05 funding includes \$8.62M provided for Supplemental.</p> <p>FY06 funding includes Congressional Adds of \$1M for Charge, Demolition, Linear, High Explosive (HE), Composition C4, M58A4 with Fuze, Electric M113A4 and \$1.35M for Anti-Personnel Obstacle Breaching System (APOBS).</p>											

Exhibit P-40a, Budget Item Justification for Aggregated Items										Date:	
										FEBRUARY 2006	
Appropriation Code/Budget Activity/Serial Number:				P-1 Item Nomenclature:							
Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				(103000) LINEAR CHARGES, ALL TYPES							
	ID Code	FY2005	FY2006	FY2007						To Complete	Total
J143, ROCKET MOTOR, 5 INCH	A	0.070	0.000	3.472							
QTY		0	0	372							
M914, CHARGE, DEMO INERT LINEAR	A	0.000	0.387	0.053							
QTY		0	15	2							

Exhibit P-5, Cost Analysis			Weapon System			Date: FEBRUARY 2006						
Appropriation Code/Budget Activity/Serial Number:			ID Code:	P-1 Line Item Nomenclature:								
Procurement of Ammunition, Navy and Marine Corps/2/Ammunition			A	(103000) LINEAR CHARGES, ALL TYPES								
	FY05			FY06			FY07					
	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
WBS COST ELEMENTS												
HARDWARE												
M913, CHARGE, DEMO LINEAR HE*												
LOAD, ASSEMBLE & PACK (LAP)	1.829	127	14398.49	2.532	141	17957.45	2.417	129	18736.43			
COMP C-4 CLASS 3(LB)	1.746	229,631	7.60	2.028	253,800	7.99	1.936	232,200	8.34			
FUZE ELECTRIC M1134A4(EA)	0.223	124	1800.00	0.262	141	1858.16	0.250	129	1937.98			
ML25, CHARGE, DEMO LINEAR HE												
LOAD, ASSEMBLE & PACK (LAP)	0.534	57	9369.00									
COMP C-4 CLASS 3(LB)	0.809	105564	7.68									
FUZE ELECTRIC M1134A4(EA)	0.102	57	1800.00									
MN79, APERS OBSTACLE BREACHING SYS												
LOAD, ASSEMBLE & PACK (LAP)	14.904	1,742	8555.68	33.932	3,318	10226.64						
PRODUCT												
ACCEPTANCE TESTING				0.019			0.018					
INTERIM TRANSPORTATION												
PRODUCTION ENGINEERING	4.778			1.173			0.044					
QUALITY ASSURANCE	0.470			0.521			0.092					
NONRECURRING												
GOVERNMENT FURNISHED MATERIAL	-2.071			-0.262			-0.250					
*UNIT COST PROVIDED BY ARMY ROUNDED TO NEAREST TWO DIGITS												
TOTAL	23.324			40.205			4.507					







Exhibit P-40, Budget Item Justification								Date: FEBRUARY 2006			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition					P-1 Item Nomenclature: (104000) .50 CALIBER						
Program Element for Code B Items:				Other Related Program Elements							
	ID Code	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011		To Complete	Total Program
Proc Qty											
Gross Cost	A	11.256	34.422	6.440	5.005	8.123	7.296	7.497			80.039
<p>Description: The Cartridge, Caliber .50 M33 Linked (DODIC A555) is used in M2 .50 Caliber Machine Guns to augment DODIC A576 as dictated by local fire conditions.</p> <p>The Cartridge, Caliber .50 4 API M8/1 API-T M20 Linked (DODIC A576) is used in M2 .50 caliber Machine Guns against armored targets. Upon impact with the target, the incendiary mixture bursts into flames and ignites the flammable material.</p> <p>The Cartridge, Caliber .50 Blank M1A1 Linked (DODIC A598) is used to simulate firing in training exercises using the M2 Machine Guns. The M1A1 Cartridge is identified by the absence of a bullet.</p> <p>The Cartridge, Caliber .50 API MK211 Mod 0 Single Round (DODIC A606) is used in the M82A3 Special Application Scoped Rifle (SASR) sniper rifle against armored targets. This cartridge is an improved version of the M8-API that provides penetration, fragmentation, and fire starting capabilities upon impact.</p> <p>The Cartridge, Caliber .50 SLAP-T (DODIC AA38) is used for training in the in-bore device on a M1A1 tank. It is ballistically matched to the 120mm TP-T cartridge and has a tracer burn out in excess of 2000 meters.</p> <p>The Cartridge, Caliber .50 4 API M8/1 API-T M20 Linked (DODIC P576) lightweight cartridge case will be used in M2 .50 caliber Machine Guns against armored targets. The lightweight cartridge provides an enhanced logistical capability and is expected to supplement and/or replace the current primary round DODIC A576.</p> <p>The Cartridge, Caliber .50 4 API M8/1 API-T M20 Linked (DODIC X576) is used in M2 .50 caliber Machine Guns against armored targets in a training unique environment. This cartridge is certified for overhead fire of unprotected friendly troops. The cartridge will provide the same capability as DODIC A576, which upon impact with the target; the incendiary mixture bursts into flames and ignites the flammable material.</p> <p>The Cartridge, Caliber .50 API Single Round (DODIC X606) is used in the M82A3 Special Application Scoped Rifle (SASR) sniper rifle against armored targets in a training unique environment. This cartridge is certified for overhead fire of unprotected friendly troops. The cartridge will provide the same capability as DODIC A606, which provides penetration, fragmentation, and fire starting capabilities upon impact of target.</p>											

Exhibit P-40, Budget Item Justification, Continued								Date: FEBRUARY 2006			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition						P-1 Item Nomenclature: (104000) .50 CALIBER					
Program Element for Code B Items:				Other Related Program Elements							
	ID Code	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011		To Complete	Total Program
Proc Qty											
Gross Cost	A	11.256	34.422	6.440	5.005	8.123	7.296	7.497			80.039
Funding changes are based on changes in the Total Munitions Requirement, the unit price of the rounds, production issues, MCCDC priorities, changes in starting inventory, the top level funding provided and programmatic issues for over 300 items across the FYDP. Each of these variables change at least once a year and result in fluctuations in the budget.											

DODIC / Description	FY05 Supplemental Dollars Received
A576, API M8/API -T M20 Lnk	6.110
Total .50 Caliber, All Types	6.110

Exhibit P-40a, Budget Item Justification for Aggregated Items									Date: FEBRUARY 2006		
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				P-1 Item Nomenclature: (104000) .50 CALIBER							
	ID Code	FY2005	FY2006	FY2007						To Complete	Total
AA38, CTG, CAL. 50 SLAP TRACER	A	0.000	0.000	0.035							
QTY		0	0	9,210							
P576, CTG .50 CAL POLYMER CASE	A	0.030	0.000	0.000							
QTY		11,952	0	0							
X606, CARTRIDGE, CALIBER .50 CLEARED FOR OVERHEAD FIRE	A	0.000	0.244	0.000							
QTY		0	88,727	0							

Exhibit P-5, Cost Analysis			Weapon System			Date: FEBRUARY 2006						
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition			ID Code: A	P-1 Line Item Nomenclature: (104000) .50 CALIBER								
	FY05			FY06			FY07					
	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
WBS COST ELEMENTS												
HARDWARE												
A555, CTG, CAL .50 BALL LINKED*												
LOAD, ASSEMBLY & PACK (LAP)				0.399	209,677	1.90	0.818	404,566	2.02			
BOX METAL M2A1 (EA)				0.015	2,092	7.17	0.038	4,112	9.24			
A576, CTG, CAL .50 4 & 1 LINKED*												
LOAD, ASSEMBLY & PACK (LAP)	10.813	5,040,090	2.15	26.225	12,006,986	2.18	4.733	1,790,889	2.64			
BOX METAL M2A1 (EA)	0.263	34,336	7.65	1.074	149,765	7.17	0.169	18,268	9.25			
A598, CTG, CAL .50 BLANK LINKED M2												
LOAD, ASSEMBLY & PACK (LAP)	0.008	10,227	0.78				0.181	184,403	0.980			
BOX METAL M2A1 (EA)	0.001	102	9.80				0.017	1,839	9.24			
A606, CTG, CAL .50 API SNIPER RIFLE*												
LOAD, ASSEMBLY & PACK (LAP)							0.336	42,193	7.95			
BOX METAL M2A1 (EA)							0.004	431	9.24			
X576, CARTRIDGE, CALIBER .50 COF LINKED												
LOAD, ASSEMBLY & PACK (LAP)				4.553	2,743,171	1.66						
PRODUCT												
ACCEPTANCE TESTING	0.024						0.019					
INDUSTRIAL STOCK SUPPORT				0.257								
PRODUCTION ENGINEERING	0.116			1.519			0.084					
QUALITY ASSURANCE	0.001			0.136			0.006					
*UNIT COST PROVIDED BY ARMY ROUNDED TO NEAREST TWO DIGITS												
TOTAL	11.226			34.178			6.405					

Exhibit P-5a, Procurement History and Planning					Weapon System		Date: FEBRUARY 2006				
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				P-1 Line Item Nomenclature: (104000) .50 CALIBER							
	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method and Type	Contractor and Location	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available	
WBS COST ELEMENTS											
HARDWARE											
A555, CTG, CAL .50 BALL LINKED											
LOAD, ASSEMBLY & PACK (LAP)											
FY 2006	120,600	1.90	JMC, ROCK ISLAND, IL	OCT 04	PO/FP	ALLIANT TECH, INDEPENDENCE, MO	JAN 06	OCT 06	YES		
FY 2006	89,077	1.90	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	GENERAL DYNAMICS, PERRY, FL	OCT 06	MAR 07	YES		
FY 2007	234,000	2.02	JMC, ROCK ISLAND, IL	OCT 04	PO/FP	ALLIANT TECH, INDEPENDENCE, MO	JAN 07	OCT 07	YES		
FY 2007	170,566	2.02	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	GENERAL DYNAMICS, PERRY, FL	JAN 07	MAR 08	YES		
BOX METAL M2A1(EA)											
FY 2006	570	7.17	JMC, ROCK ISLAND, IL	OCT 04	C/OP	BEST FOAM FAB, CHICAGO, IL	JAN 06	OCT 06	YES		
FY 2006	1,522	7.17	JMC, ROCK ISLAND, IL	OCT 04	C/OP	BROCKWAY STANDARD, ATLANTA, GA	JAN 06	OCT 06	YES		
FY 2007	1,100	9.24	JMC, ROCK ISLAND, IL	OCT 04	C/OP	BEST FOAM FAB, CHICAGO, IL	JAN 07	OCT 07	YES		
FY 2007	3,012	9.24	JMC, ROCK ISLAND, IL	OCT 04	C/OP	BROCKWAY STANDARD, ATLANTA, GA	JAN 07	OCT 07	YES		
A576, CTG, CAL .50 4 & 1 LINKED											
LOAD, ASSEMBLE & PACK (LAP)											
FY 2005	4,079,490	2.15	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	ALLIANT TECH, INDEPENDENCE, MO	DEC 04	OCT 05	YES		
FY 2005	960,600	2.15	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	GENERAL DYNAMICS, FL	DEC 04	MAR 06	YES		
FY 2006	9,070,434	2.18	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	ALLIANT TECH, INDEPENDENCE, MO	JAN 06	OCT 06	YES		
FY 2006	2,936,552	2.18	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	GENERAL DYNAMICS, FL	JAN 06	MAR 07	YES		
FY 2007	1,343,167	2.64	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	ALLIANT TECH, INDEPENDENCE, MO	JAN 07	OCT 07	YES		
FY 2007	447,722	2.64	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	GENERAL DYNAMICS, FL	JAN 07	MAR 08	YES		
BOX METAL M2A1(EA)											
FY 2005	11,357	7.65	JMC, ROCK ISLAND, IL	OCT 04	C/OP	BEST FOAM FAB, CHICAGO, IL	JAN 05	OCT 05	YES		
FY 2005	22,979	7.65	JMC, ROCK ISLAND, IL	OCT 04	C/OP	BROCKWAY STANDARD, ATLANTA, GA	JAN 05	OCT 05	YES		
FY 2006	27,489	7.17	JMC, ROCK ISLAND, IL	OCT 04	C/OP	BEST FOAM FAB, CHICAGO, IL	JAN 06	OCT 06	YES		
FY 2006	122,276	7.17	JMC, ROCK ISLAND, IL	OCT 04	C/OP	BROCKWAY STANDARD, ATLANTA, GA	JAN 06	OCT 06	YES		
FY 2007	4,111	9.25	JMC, ROCK ISLAND, IL	OCT 04	C/OP	BEST FOAM FAB, CHICAGO, IL	JAN 07	OCT 07	YES		
FY 2007	14,157	9.25	JMC, ROCK ISLAND, IL	OCT 04	C/OP	BROCKWAY STANDARD, ATLANTA, GA	JAN 07	OCT 07	YES		
A598, CTG, CAL .50 BLANK LINKED M2											
LOAD, ASSEMBLY & PACK (LAP)											
FY 2005	10,227	0.78	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	ALLIANT TECH, INDEPENDENCE, MO	JAN 05	OCT 05	YES		
FY 2007	184,403	0.98	JMC, ROCK ISLAND, IL	OCT 05	SS/FP	ALLIANT TECH, INDEPENDENCE, MO	JAN 07	OCT 07	YES		
BOX METAL M2A1(EA)											
FY 2005	19	9.80	JMC, ROCK ISLAND, IL	OCT 04	C/OP	BEST FOAM FAB, CHICAGO, IL	JAN 05	OCT 05	YES		
FY 2005	83	9.80	JMC, ROCK ISLAND, IL	OCT 04	C/OP	BROCKWAY STANDARD, ATLANTA, GA	JAN 05	OCT 05	YES		
FY 2007	336	9.24	JMC, ROCK ISLAND, IL	OCT 04	C/OP	BEST FOAM FAB, CHICAGO, IL	JAN 07	OCT 07	YES		
FY 2007	1,503	9.24	JMC, ROCK ISLAND, IL	OCT 04	C/OP	BROCKWAY STANDARD, ATLANTA, GA	JAN 07	OCT 07	YES		

[illegible]







Exhibit P-40, Budget Item Justification								Date: FEBRUARY 2006			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition					P-1 Item Nomenclature: (105000) 40MM, ALL TYPES						
Program Element for Code B Items:				Other Related Program Elements							
	ID Code	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011		To Complete	Total Program
Proc Qty											
Gross Cost	A	32.098	58.378	39.369	40.471	48.422	0.000	0.000			218.738
<p>Description: B430 is an interim DODIC. The program is engineering support required to prepare the Weapons Systems Explosives Safety Review Board documentation to procure an improved variant of the 40MM M430 High Explosive Dual Purpose Cartridge (DODIC B542). This is the Marine Corps contribution to an FY04 Foreign Comparative Test (FCT) Program.</p> <p>B433 is an interim DODIC. The program is engineering support required to prepare the Weapons Systems Explosives Safety Review Board documentation to procure an improved variant of the 40MM M433 High Explosive Dual Purpose Cartridge (DODIC B546). This is the Marine Corps contribution to an FY05 Foreign Comparative Test (FCT) Program.</p> <p>The Cartridge, 40MM Target Practice (TP) M781 (DODIC B519) is a fixed cartridge of ammunition consisting of a plastic ogive, metal body, and plastic cartridge case. The ogive houses a highly visible yellow-orange dye. The cartridge case is press-fitted with a .38 caliber blank cartridge containing the propellant. This cartridge is fired from the M203 Grenade Launcher and is used for training and contains no high explosive. Upon impact, the projectile ruptures and releases a puff of yellow-orange dye simulating explosive impact.</p> <p>The Cartridge, 40MM Multiple Projectile M576 (DODIC B534) is fired from the M203 Grenade Launcher and is used in environments where personnel targets appear at short distances without warning and are vulnerably exposed only fleetingly.</p> <p>The Cartridge, 40MM White Star Parachute M583/M583A1 (DODIC B535) is a fixed cartridge of ammunition consisting of a projectile assembly and a cartridge case assembly. This cartridge is fired from the M203 Grenade Launcher and is used for illumination and signaling.</p> <p>The Cartridge, 40mm High-Explosive Dual-Purpose (HEDP) M430/M430A1 Linked (DODIC B542) is a fixed cartridge of ammunition consisting of an ogive, projectile body, and cartridge case. This cartridge is fired from the MK19 Mod 3 Grenade Machine Gun and is a high explosive, dual-purpose cartridge. The projectile's shaped charge is designed to penetrate two inches of steel armor and inflict personnel casualties in the target area.</p> <p>The Cartridge, 40mm High-Explosive Dual-Purpose (HEDP) M433 (DODIC B546) is a fixed round of ammunition consisting of an ogive, projectile body, and cartridge case. This cartridge is fired from the M203 Grenade Launcher and is a high explosive, dual-purpose round. The projectile's shaped charge is designed to penetrate two inches of steel armor and inflict personnel casualties in the target area.</p> <p>The Cartridge, 40mm Target Practice, Linked M281 MD 0 M385A1 (DODIC BA12) is a fixed cartridge consisting of a projectile body, and cartridge case. This cartridge is fired from the MK19 Mod 3 Grenade Machine Gun and is designed for practice or weapon proof testing. The cartridge is procured as a replacement for the M385 (DODIC B576) and the M918 (DODIC B584).</p>											

Exhibit P-40, Budget Item Justification								Date: FEBRUARY 2006			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition						P-1 Item Nomenclature: (105000) 40MM, ALL TYPES					
Program Element for Code B Items:				Other Related Program Elements							
	ID Code	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011		To Complete	Total Program
Proc Qty											
Gross Cost	A	32.098	58.378	39.369	40.471	48.422	0.000	0.000			218.738
<p>Funding changes are based on changes in the Total Munitions Requirement, the unit price of the rounds, production issues, MCCDC priorities, changes in starting inventory, the top level funding provided and programmatic issues for over 300 items across the FYDP. Each of these variables change at least once a year and result in fluctuations in the budget.</p> <p>FY06 funding includes a Congressional Add of \$1.0M for Cartridge, 40MM High Explosive Dual Purpose (HEDP), M430.</p>											

DODIC / Description	FY05 Supplemental Dollars Received
B546, HEDP M433	7.100
Total 40MM, All Types	7.100

[illegible]

Exhibit P-5, Cost Analysis				Weapon System			Date: FEBRUARY 2006					
Appropriation Code/Budget Activity/Serial Number:				ID Code:	P-1 Line Item Nomenclature:							
Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				A	(105000) 40MM, ALL TYPES							
WBS COST ELEMENTS	FY05			FY06			FY07					
	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
HARDWARE												
B519, CTG, 40MM PRACTICE*												
COMPLETE ROUND	2.802	846,400	3.31	5.158	1,211,932	4.26	3.931	1,074,675	3.66			
B534, CTG, 40MM MP M576												
COMPLETE ROUND												
B535, CTG, 40MM WHITE STAR PARACHUTE												
COMPLETE ROUND	0.972	24,943	38.99				2.026	50,438	40.17			
B542, CTG, 40MM HEDP LINKED FOR MK19*												
COMPLETE ROUND	12.425	403,678	30.78	40.303	1,549,318	26.01	28.131	737,900	38.12			
B546, CTG, 40MM HEDP FOR M79/M203												
COMPLETE ROUND	9.841	225,346	43.67									
BA12, CTG, 40MM PRACTICE												
COMPLETE ROUND	4.237	177,638	23.85	11.841	517,304	22.89	4.478	195,652	22.89			
PRODUCT												
ACCEPTANCE TESTING	0.021			0.059			0.022					
PRODUCTION ENGINEERING	1.109			0.978			0.743					
QUALITY ASSURANCE	0.041			0.039			0.038					
*UNIT COST PROVIDED BY ARMY ROUNDED TO NEAREST TWO DIGITS												
TOTAL	31.448			58.378			39.369					

Exhibit P-5a, Procurement History and Planning					Weapon System		Date: FEBRUARY 2006			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				P-1 Line Item Nomenclature: (105000) 40MM, ALL TYPES						
	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method and Type	Contractor and Location	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
WBS COST ELEMENTS										
B519, CTG, 40MM PRACTICE										
CTG 40MM PRACTICE M781										
FY 2005	348,600	3.65	JMC, ROCK ISLAND, IL	OCT 04	C/FP	AMTECH CORP, JANESVILLE, WI	APR 05	NOV 06	YES	
FY 2005	116,900	3.13	JMC, ROCK ISLAND, IL	OCT 04	C/OP	AMTECH CORP, JANESVILLE, WI	SEP 05	NOV 06	YES	
FY 2005	285,200	3.08	JMC, ROCK ISLAND, IL	OCT 04	C/FP	DSE, INC (BALIMOY), TAMPA, FL	APR 05	NOV 06	YES	
FY 2005	95,700	2.99	JMC, ROCK ISLAND, IL	OCT 04	C/OP	DSE, INC (BALIMOY), TAMPA, FL	SEP 05	NOV 06	YES	
FY 2006	666,653	4.49	JMC, ROCK ISLAND, IL	OCT 05	C/OP	AMTECH CORP, JANESVILLE, WI	MAR 06	JAN 07	YES	
FY 2006	545,279	4.49	JMC, ROCK ISLAND, IL	OCT 05	C/OP	DSE, INC (BALIMOY), TAMPA, FL	MAR 06	JAN 07	YES	
FY 2007	591,071	3.87	JMC, ROCK ISLAND, IL	OCT 06	C/OP	AMTECH CORP, JANESVILLE, WI	MAR 07	JUL 07	YES	
FY 2007	483,604	3.87	JMC, ROCK ISLAND, IL	OCT 06	C/OP	DSE, INC (BALIMOY), TAMPA, FL	MAR 07	JUL 07	YES	
B535, CTG, 40MM WHITE STAR PARACHUTE										
CTG 40MM WHITE STAR PARA M583										
FY 2005	12,980	39.71	JMC, ROCK ISLAND, IL	OCT 04	C/FP	AMTECH CORP, JANESVILLE, WI	APR 05	FEB 06	YES	
FY 2005	11,963	38.53	JMC, ROCK ISLAND, IL	OCT 04	C/FP	DSE, INC (BALIMOY), TAMPA, FL	APR 05	FEB 06	YES	
FY 2007	26,247	40.85	JMC, ROCK ISLAND, IL	OCT 05	C/OP	AMTECH CORP, JANESVILLE, WI	MAR 07	MAY 07	YES	
FY 2007	24,191	40.85	JMC, ROCK ISLAND, IL	OCT 05	C/OP	DSE, INC (BALIMOY), TAMPA, FL	MAR 07	MAY 07	YES	
B542, CTG, 40MM HEDP LINKED FOR MK19										
CTG, 40MM, HEDP, M430A1										
FY 2005	181,592	30.54	JMC, ROCK ISLAND, IL	JAN 05	C/OP	AMTECH CORP, JANESVILLE, WI	NOV 05	JUN 06	YES	
FY 2005	160,454	30.95	JMC, ROCK ISLAND, IL	JAN 05	C/OP	DSE, INC (BALIMOY), TAMPA, FL	NOV 05	JUN 06	YES	
FY 2005	29,632	31.32	JMC, ROCK ISLAND, IL	JAN 05	C/OP	AMTECH CORP, JANESVILLE, WI	MAR 06	FEB 07	YES	
FY 2005	32,000	31.32	JMC, ROCK ISLAND, IL	JAN 05	C/OP	DSE, INC (BALIMOY), TAMPA, FL	MAR 06	FEB 07	YES	
FY 2006	852,265	25.92	JMC, ROCK ISLAND, IL	JAN 06	C/OP	AMTECH CORP, JANESVILLE, WI	MAR 06	AUG 07	YES	
FY 2006	697,053	25.92	JMC, ROCK ISLAND, IL	JAN 06	C/OP	DSE, INC (BALIMOY), TAMPA, FL	MAR 06	AUG 07	YES	
FY 2007	405,755	37.7	JMC, ROCK ISLAND, IL	JAN 07	C/OP	AMTECH CORP, JANESVILLE, WI	MAR 07	AUG 08	YES	
FY 2007	332,145	37.7	JMC, ROCK ISLAND, IL	JAN 07	C/OP	DSE, INC (BALIMOY), TAMPA, FL	MAR 07	AUG 08	YES	
B546, CTG, 40MM HEDP FOR M79/M203										
CTG 40MM HEDP M433										
FY 2005	125,050	42.57	JMC, ROCK ISLAND, IL	JAN 05	C/OP	AMTECH CORP, JANESVILLE, WI	JUL 05	DEC 06	YES	
FY 2005	100,296	45.01	JMC, ROCK ISLAND, IL	JAN 05	C/OP	DSE,INC (BALIMOY), TAMPA,FL	JUL 05	DEC 06	YES	
BA12, CTG, 40MM PRACTICE										
COMPLETE ROUND										
FY 2005	177,638	23.85	NSWC, DAHLGREN, VA	OCT 04	C/FFP	NICO PYROTECHNIK, TRITTAU, GE	DEC 04	SEP 05	YES	
FY 2006	517,304	22.89	NSWC, DAHLGREN, VA	OCT 05	C/FFP	NICO PYROTECHNIK, TRITTAU, GE	DEC 05	SEP 06	YES	
FY 2007	195,652	22.89	NSWC, DAHLGREN, VA	OCT 06	C/FFP	NICO PYROTECHNIK, TRITTAU, GE	DEC 06	SEP 07	YES	



Exhibit P-21, Production Schedule															Date: FEBRUARY 2006																	
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition										Weapon System					P-1 Line Item Nomenclature: (105000) DODIC: B542, CTG, 40MM HEDP LINKED FOR MK19																	
										PRODUCTION RATE					PROCUREMENT LEADTIMES																	
Item	Manufacturer's Name and Location					MSR	ECON	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure																		
B542	1 AMTECH CORP JANESVILLE, WI					0.03	1	2	14	1	7	11	8	M																		
	2 AMTECH CORP JANESVILLE, WI					0.03	1	2	14	5		11	16	M																		
	3 DSE INC (BALIMOY), TAMPA, F					0.03	1	2	14	1	7	11	8	M																		
	4 DSE INC (BALIMOY), TAMPA, F					0.03	1	2	14	5		11	16	M																		
	5 AMTECH CORP JANESVILLE, WI					0.03	1	2	14	5		17	22	M																		
	6 DSE INC (BALIMOY), TAMPA, F					0.03	1	2	14	5		17	22	M																		
Fiscal Year					2005					Fiscal Year					2006																	
					Calendar Year 2005										Calendar Year 2006																	
Item	F Y	S V C	Q T Y	D E L	B A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B O C		
B542	2005	MC1	0.18	0	0.18														A								0.09	0.09			0	
	2005	MC3	0.16	0	0.16														A								0.08	0.08			0	
	2005	MC2	0.03	0	0.03																		A								0.03	
	2005	MC4	0.03	0	0.03																		A								0.03	
	2006	MC5	0.85	0	0.85																		A								0.85	
	2006	MC6	0.70	0	0.70																		A								0.70	
	2007	MC5	0.41	0	0.41																										0.41	
	2007	MC6	0.33	0	0.33																										0.33	
Fiscal Year					2007					Fiscal Year					2008																	
					Calendar Year 2007										Calendar Year 2008																	
Item	F Y	S V C	Q T Y	D E L	B A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B O C		
B542	2005	MC1	0.18	0.18	0																										0	
	2005	MC3	0.16	0.16	0																										0	
	2005	MC1	0.03	0	0.03					0.03																					0	
	2005	MC3	0.03	0	0.03					0.03																					0	
	2006	MC5	0.85	0	0.85											0.45	0.40														0	
	2006	MC6	0.70	0	0.70											0.35	0.35														0	
	2007	MC5	0.41		0.41						A																	0.20	0.21		0	
	2007	MC6	0.33		0.33						A																	0.20	0.13		0	
REMARKS: THIS DOES NOT REFLECT THE ARMY'S BUYS WHICH MAKE UP THE CONTRACTOR'S 1-8-5 PRODUCTION RATES.																																



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Exhibit P-40, Budget Item Justification								Date: FEBRUARY 2006			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition						P-1 Item Nomenclature: (108300) 60MM, ALL TYPES					
Program Element for Code B Items:				Other Related Program Elements							
	ID Code	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011		To Complete	Total Program
Proc Qty											
Gross Cost	A	15.666	16.011	2.947	20.294	20.822	0.000	28.246			103.986
<p>Description: The Cartridge, 60MM High Explosive M720 (DODIC B642) is a high explosive round for use in the 60MM M224 Lightweight Company Mortar System. It is intended for use against personnel and light materiel targets. Note: This item has been replaced by DODIC BA16.</p> <p>The Cartridge, 60MM High Explosive M888 (DODIC B643) is a high explosive cartridge for use in the 60MM M224 Lightweight Company Mortar System. It is intended for use against personnel and light materiel targets.</p> <p>The Cartridge, 60MM Smoke White Phosphorus (WP) M722 (DODIC B646) is a white phosphorus cartridge for use in the 60mm M224 Lightweight Company Mortar System. It is intended for use for spotting purposes.</p> <p>The Cartridge, 60MM Illuminating M721 (DODIC B647) is an illumination round for use in the 60mm M224 Lightweight Company Mortar System. It is intended for use for illuminating a desired point or area.</p> <p>The Cartridge, 60MM High Explosive M720A1 (DODIC BA16) with M734A1 Multi-Option Fuze (MOFA) is a high explosive round for use in the M224 Lightweight Company Mortar System. It is intended for use against personnel and light materiel targets. Note: This cartridge replaces the M720 (DODIC B642) in all new production after 2004.</p> <p>Funding changes are based on changes in the Total Munitions Requirement, the unit price of the rounds, production issues, MCCDC priorities, changes in starting inventory, the top level funding provided and programmatic issues for over 300 items across the FYDP. Each of these variables change at least once a year and result in fluctuations in the budget.</p> <p>FY05 funding includes \$3.277M for B643, HE M888.</p>											

Exhibit P-5, Cost Analysis				Weapon System			Date: FEBRUARY 2006					
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				ID Code: A	P-1 Line Item Nomenclature: (108300) 60MM, ALL TYPES							
	FY05			FY06			FY07					
	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
WBS COST ELEMENTS												
HARDWARE												
B642, CTG, 60MM HE WITH MOF												
LAP, CTG, 60MM, M720A1												
FIN ASSEMBLY M27												
FUZE, MO, M734A1												
IGNITION CTG, 60MM, M702												
PROPELLENT CHARGE, 60MM, M235												
SHELL BODY, 60MM, HE, M720A1/M768												
B643, CTG, 60MM HE*												
LOAD, ASSEMBLE & PACK (LAP)	2.114	82,064	25.76									
COMP A-5 CLASS 1 (LB)	0.013	2,462	5.46									
COMP B TYPE I GRADE A(LB)	0.379	164,128	2.31									
CONTAINER ASSY M204(EA)	0.986	344,669	2.86									
LAP, CHG PROP M204	0.552	334,822	1.65									
M27 FIN ASSEMBLY	0.548	85,347	6.43									
M702 IGNITION CARTRIDGE	1.415	85,347	21.18									
M720 PROJ MPTS	2.154	85,347	25.24									
M935 FUZE	3.473	85,347	40.70									
B646, CTG, 60MM SMOKE WP*												
LAP, CTG, 60MM, M720A1							0.210	1,210	173.81			
BODY TUBE AND TAIL CONE							0.023	1,258	18.28			
FUZE, PD, M7383							0.166	1,258	131.96			
IGNITION CTG, 60MM, M702							0.019	1,258	15.10			
PROPELLENT CHARGE, 60MM, M235							0.060	4,961	12.09			
B647, CTG, 60MM ILLUM*												
LAP CTG, 60MM, M722A1							0.372	3,553	104.70			
BODY TUBE AND TAIL CONE							0.068	3,695	18.40			
CANNISTER ASSEMBLY, VL							0.589	3,695	159.40			
FIN ASSEMBLY M27							0.020	3,695	5.41			
FUZE, MTSQ, M776							0.626	3,695	169.42			
IGNITION CTG, 60MM, M702							0.057	3,695	15.43			
PARACHUTE ASSEMBLY							0.077	3,695	20.84			
PROPELLENT CHARGE, 60MM, M235							0.176	14,567	12.08			
*UNIT COST PROVIDED BY ARMY ROUNDED TO NEAREST TWO DIGITS												
P5 Subtotal	11.634			0.000			2.463					

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Exhibit P-5a, Procurement History and Planning					Weapon System		Date: FEBRUARY 2006			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				P-1 Line Item Nomenclature: (108300) 60MM, ALL TYPES						
	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method and Type	Contractor and Location	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
WBS COST ELEMENTS										
B643, CTG, 60MM HE										
LOAD, ASSEMBLE & PACK (LAP)										
FY 2005	82,064	25.76	JMC, ROCK ISLAND, IL	OCT 04	C/FP	AMERICAN ORDNANCE, MILAN, TN	DEC 04	FEB 07	YES	
COMP A-5 CLASS 1 (LB)										
FY 2005	2,462	N/A	JMC, ROCK ISLAND, IL	SEP 04	N/A	STOCK ISSUE	DEC 04	FEB 07	YES	
COMP B TYPE I GRADE A (LB)										
FY 2005	164,128	N/A	JMC, ROCK ISLAND, IL	OCT 04	N/A	STOCK ISSUE	DEC 04	FEB 07	YES	
CONTAINER ASSY M204(EA)										
FY 2005	344,669	2.86	JMC, ROCK ISLAND, IL	OCT 04	C/FP	ARMTEC DEFENSE, COACHELLA, CA	DEC 04	FEB 07	YES	
LAP, CHG PROP M204										
FY 2005	334,822	1.65	JMC, ROCK ISLAND, IL	OCT 04	C/FP	AMERICAN ORDNANCE, MILAN, TN	DEC 04	FEB 07	YES	
M27 FIN ASSEMBLY										
FY 2005	85,347	6.43	JMC, ROCK ISLAND, IL	OCT 04	C/FP	GAYSTON CORP, SPRINGBORO, OH	DEC 04	FEB 07	YES	
M702 IGNITION CARTRIDGE										
FY 2005	85,347	21.18	JMC, ROCK ISLAND, IL	SEP 04	C/FP	AMERICAN ORDNANCE, MILAN, TN	DEC 04	FEB 07	YES	
M720 PROJ MPTS										
FY 2005	85,347	25.24	JMC, ROCK ISLAND, IL	SEP 04	C/FP	MEDICO IND, WILKES-BARRE, PA	DEC 04	FEB 07	YES	
M935 FUZE										
FY 2005	85,347	40.70	JMC, ROCK ISLAND, IL	OCT 04	C/FP	BULOVA TECH., LANCASTER, PA	DEC 04	FEB 07	YES	
B646, CTG, 60MM SMOKE WP										
LAP, CTG, 60MM, M720A1										
FY 2007	1,210	173.81	JMC, ROCK ISLAND, IL	JAN 07	SS/FP	PINE BLUFF ARSENAL, PINE BLUFF, AR	MAR 07	MAR 09	YES	
BODY TUBE AND TAIL CONE										
FY 2007	1,258	18.28	JMC, ROCK ISLAND, IL	JAN 07	SS/OP	LEWIS ENGINEERING, MARSHALL, TX	MAR 07	MAR 09	YES	
FUZE, PD, M7383										
FY 2007	1,258	131.96	JMC, ROCK ISLAND, IL	JAN 07	SS/OP	KDI PERCISION, CINCINNATI, OH	MAR 07	MAR 09	YES	
IGNITION CTG, 60MM, M702										
FY 2007	1,258	15.10	JMC, ROCK ISLAND, IL	JAN 07	SS/OP	UNKNOWN	MAR 07	MAR 09	YES	
PROPELLENT CHARGE, 60MM, M235										
FY 2007	4,961	12.09	JMC, ROCK ISLAND, IL	JAN 07	SS/OP	POCAL INDUSTRIES, MOSCOW, PA	MAR 07	MAR 09	YES	
B647, CTG, 60MM ILLUM										
LAP CTG, 60MM, M722A1										
FY 2007	3,553	104.70	JMC, ROCK ISLAND, IL	JAN 07	SS/FP	PINE BLUFF ARSENAL, PINE BLUFF, AR	MAR 07	MAR 09	YES	
BODY TUBE AND TAIL CONE										
FY 2007	3,695	18.40	JMC, ROCK ISLAND, IL	JAN 07	SS/OP	LEWIS ENGINEERING, MARSHALL, TX	MAR 07	MAR 09	YES	
CANNISTER ASSEMBLY, VL										
FY 2007	3,695	159.40	JMC, ROCK ISLAND, IL	JAN 07	SS/FP	CRANE AAP, CRANE, IN	MAR 07	MAR 09	YES	
FIN ASSEMBLY M27										
FY 2007	3,695	5.41	JMC, ROCK ISLAND, IL	JAN 07	SS/OP	WILKINSON MFG, PORT CALHOUN, NE	MAR 07	MAR 09	YES	
FUZE, MFSQ, M776										
FY 2007	3,695	169.42	JMC, ROCK ISLAND, IL	JAN 07	SS/OP	JUNGHAMS, SCHRAMBERG, GERMANY	MAR 07	MAR 09	YES	
IGNITION CTG, 60MM, M702										
FY 2007	3,695	15.43	JMC, ROCK ISLAND, IL	JAN 07	SS/OP	UNKNOWN	MAR 07	MAR 09	YES	
PARACHUTE ASSEMBLY										
FY 2007	3,695	20.84	JMC, ROCK ISLAND, IL	JAN 07	SS/OP	UNKNOWN	MAR 07	MAR 09	YES	
PROPELLENT CHARGE, 60MM, M235										
FY 2007	14,567	12.08	JMC, ROCK ISLAND, IL	JAN 07	SS/OP	POCAL INDUSTRIES, MOSCOW, PA	MAR 07	MAR 09	YES	
BA16, CTG, 60MM HE WITH MOP										
LAP, CTG, 60MM, M720A1										
FY 2005	3,962	42.85	JMC, ROCK ISLAND, IL	JUL 05	SS/OP	DAY & ZIMMERMAN, PARSONS, KS	MAR 05	JUN 07	YES	
FY 2006	31,805	42.79	JMC, ROCK ISLAND, IL	JUL 05	SS/OP	DAY & ZIMMERMAN, PARSONS, KS	SEP 06	MAR 08	YES	
FIN ASSEMBLY M27										
FY 2005	4,120	5.35	JMC, ROCK ISLAND, IL	JUL 05	SS/OP	WILKINSON MFG, PORT CALHOUN, NE	SEP 05	MAR 07	YES	
FY 2006	33,073	5.32	JMC, ROCK ISLAND, IL	JUL 05	SS/OP	WILKINSON MFG, PORT CALHOUN, NE	SEP 06	MAR 08	YES	
FUZE, MO, M734A1										
FY 2005	4,120	219.40	JMC, ROCK ISLAND, IL	JUL 05	SS/OP	KDI PERCISION, CINCINNATI, OH	SEP 05	MAR 07	YES	
FY 2006	33,073	218.82	JMC, ROCK ISLAND, IL	JUL 05	SS/OP	KDI PERCISION, CINCINNATI, OH	SEP 06	MAR 08	YES	









Exhibit P-40, Budget Item Justification								Date: FEBRUARY 2006			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition						P-1 Item Nomenclature: (109100) 81MM, ALL TYPES					
Program Element for Code B Items:				Other Related Program Elements							
	ID Code	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011		To Complete	Total Program
Proc Qty											
Gross Cost	A	34.828	16.985	57.351	66.179	62.694	140.397	90.572			469.006
<p>Description: The Cartridge, 81MM Illuminating Infrared (IR) M816 (DODIC C484) with mechanical time fuze is used in the 81mm M252 mortar system. It is designed to take advantage of the night vision device and reduce friendly forces exposure to the enemy. The 81mm IMC is essentially identical to the current M853A1 illuminating cartridge except that it carries an IR filler vice a "white light" illuminate filler.</p> <p>The Cartridge, 81mm High Explosive (HE) M821/M821A1 (DODIC C868) with Multi-Option Fuze M734 is a high explosive round developed for use in the M252 Improved 81mm Mortar System. It is intended for use against personnel and light materiel targets.</p> <p>The cartridge, 81mm High Explosive (HE) M889/M889A1 (DODIC C869) with Point Detonating Fuze M935 is a high explosive round developed for use in the M252 Improved 81mm Mortar System. It is intended for use against personnel and light materiel targets.</p> <p>The Cartridge, 81mm Smoke Red Phosphorus (RP) M819 with Mechanical Time Super-Quick Fuze M772 (DODIC C870) is a smoke screen round developed for use in the 81mm M252 Mortar System.</p> <p>The Cartridge, 81mm Illuminating M853A1 (DODIC C871) with Mechanical Time Super-Quick Fuze (MTSQ) M772 is an illuminating round developed for use in the 81mm M252 Mortar System. It is intended for illuminating a desired point or area.</p> <p>Funding changes are based on changes in the Total Munitions Requirement, the unit price of the rounds, production issues, MCCDC priorities, changes in starting inventory, the top level funding provided and programmatic issues for over 300 items across the FYDP. Each of these variables change at least once a year and result in fluctuations in the budget.</p>											
DODIC / Description		FY05 Supplemental Dollars Received									
C871, Illum M853/A1		9.625									
Total 81mm, All Types		9.625									

Exhibit P-5, Cost Analysis				Weapon System			Date: FEBRUARY 2006					
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				ID Code: A	P-1 Line Item Nomenclature: (109100) 81MM, ALL TYPES							
	FY05			FY06			FY07					
	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
WBS COST ELEMENTS												
HARDWARE												
C484, CTG, 81MM ILLUM INFRARED												
COMPLETE ROUND												
C868, CTG, 81MM HE WITH MOF												
LAP,CTG,81MM, M821A2				0.247	2,460	100.41	7.024	69,860	100.54			
FIN ASSEMBLY				0.084	2,558	32.84	2.376	72,654	32.70			
FUZE ADAPTER				0.026	2,558	10.16	0.74	72,654	10.19			
FUZE, MO, M734A1				0.538	2,558	210.32	15.292	72,654	210.48			
IGNITION CTG, M752				0.109	2,558	42.61	3.088	72,654	42.50			
PROPELLENT CHARGE				0.083	10,086	8.23	2.370	286,426	8.27			
SHELL BODY, 81MM, M821A1				0.159	2,558	62.16	4.53	72,654	62.35			
C869, CTG, 81MM HE WITH PD FUZE												
LAP, CTG, 81MM, M889				2.288	19,608	116.68						
FIN ASSEMBLY				0.654	20,392	32.09						
FUZE ADAPTER				0.208	20,392	10.19						
FUZE, PD, M935				1.036	20,392	50.82						
IGNITION CTG, M752				0.851	20,392	41.72						
PROPELLENT CHARGE				0.966	80,393	12.02						
SHELL BODY, 81MM, M889				1.248	20,392	61.19						
C870, CTG, 81MM SMOKE RP												
LAP, CTG, 81MM, M819				2.551	9,056	281.74	1.590	4,930	322.52			
BODY TUBE AND TAIL CONE				0.467	9,418	49.62	0.291	5,127	56.76			
FUZE M772(EA)				1.777	9,418	188.66	1.107	5,127	215.92			
IGN CTG M752(EA)				0.393	9,418	41.72	0.245	5,127	47.79			
PROP CHG M218(EA)				0.446	37,130	12.02	0.278	20,213	13.75			
GAS ABSORBENT MODULE (GAM)				0.209	18,336	11.38	0.130	9,982	13.02			
INNER CONTAINER				0.054	9,418	5.77	0.034	5,127	6.63			
OUTER CONTAINER				0.112	3,139	35.60	0.070	1,709	40.96			
C871, CTG, 81MM ILLUM												
M853A1 LOAD, ASSEMBLE & PACK	13.418	59,261	226.42				5.338	17,561	303.97			
CONTAINER ASSEMBLY M205 (EA)	0.631	251,862	2.51				0.251	74,635	3.36			
FIN ASSEMBLY M29	1.093	61,633	17.73				0.435	18,264	23.82			
FUZE MTSQ M772	8.509	61,633	138.06				3.385	18,264	185.34			
IGNITION CARTRIDGE M752	1.056	61,633	17.13				0.420	18,264	22.10			
ILLUMINANT CANISTER	5.739	62,227	92.23				2.283	18,440	123.81			
M9 FLAKE .010 (LB)	0.043	1,384	31.07				0.017	410	41.46			
PROPELLANT CHARGE M219	0.457	245,936	1.86				0.182	72,879	2.50			
PRODUCT												
ACCEPTANCE TESTING	1.959			0.441			1.744					
PRODUCTION ENGINEERING	2.574			1.477			3.178					
QUALITY ASSURANCE	0.023			0.561			0.970					
GFE	-0.674						-0.017					
TOTAL	34.828			16.985			57.351					

Exhibit P-5a, Procurement History and Planning				Weapon System			Date: FEBRUARY 2006				
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				P-1 Line Item Nomenclature: (109100) 81MM, ALL TYPES							
	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method and Type	Contractor and Location	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available	
WBS COST ELEMENTS											
C868, CTG, 81MM HE WITH MOF											
LOAD, ASSEMBLE & PACK (LAP)											
FY 2006	2,460	100.41	JMC, ROCK ISLAND, IL	JAN 07	SS/FP	UNKNOWN	JUN 06	MAR 07	YES		
FY 2007	69,860	100.54	JMC, ROCK ISLAND, IL	JAN 07	SS/FP	UNKNOWN	MAR 07	MAR 08	YES		
FIN ASSEMBLY											
FY 2006	2,558	32.84	JMC, ROCK ISLAND, IL	JAN 07	SS/OP	WILKINSON MFG, PORT CALHOUN, NE	MAR 06	MAR 07	YES		
FY2007	72,654	32.70	JMC, ROCK ISLAND, IL	JAN 07	SS/OP	WILKINSON MFG, PORT CALHOUN, NE	MAR 07	MAR 08	YES		
FUZE ADAPTER											
FY 2006	2,558	10.16	JMC, ROCK ISLAND, IL	JAN 07	SS/OP	UNKNOWN	APR 06	MAR 07	YES		
FY2007	72,654	10.19	JMC, ROCK ISLAND, IL	JAN 07	SS/OP	UNKNOWN	MAR 07	MAR 08	YES		
FUZE, MO, M734A1											
FY 2006	2,558	210.32	JMC, ROCK ISLAND, IL	JAN 07	SS/OP	KDI PRECISION, CINCINATTI, OH	MAR 06	MAR 07	YES		
FY 2007	72,654	210.48	JMC, ROCK ISLAND, IL	JAN 07	SS/OP	KDI PRECISION, CINCINATTI, OH	MAR 07	MAR 08	YES		
IGNITION CARTRIDGE M752											
FY 2006	2,558	42.61	JMC, ROCK ISLAND, IL	JAN 07	SS/OP	UNKNOWN	JUN 06	MAR 07	YES		
FY 2007	72,654	42.50	JMC, ROCK ISLAND, IL	JAN 07	SS/OP	UNKNOWN	MAR 07	MAR 08	YES		
PROPELLENT CHARGE											
FY 2006	10,086	8.23	JMC, ROCK ISLAND, IL	JAN 07	SS/OP	GENERAL DYNAMICS, MARION, IL	MAR 06	MAR 07	YES		
FY 2007	286,426	8.27	JMC, ROCK ISLAND, IL	JAN 07	SS/OP	GENERAL DYNAMICS, MARION, IL	MAR 07	MAR 08	YES		
SHELL BODY, 81MM, M821A2											
FY 2006	2,558	62.16	JMC, ROCK ISLAND, IL	JAN 07	SS/FP	UNKNOWN	JUN 06	MAR 07	YES		
FY 2007	72,654	62.35	JMC, ROCK ISLAND, IL	JAN 07	SS/FP	UNKNOWN	MAR 07	MAR 08	YES		
C869, CTG, 81MM HE WITH PD FUZE											
LAP, CTG, 81MM, M889											
FY 2006	19,608	116.68	JMC, ROCK ISLAND, IL	JAN 06	SS/FP	UNKNOWN	JUN 06	NOV 08	YES		
FIN ASSEMBLY											
FY 2006	20,392	32.09	JMC, ROCK ISLAND, IL	JAN 06	SS/OP	WILKINSON MFG, PORT CALHOUN, NE	MAR 06	FEB 07	YES		
FUZE ADAPTER											
FY 2006	20,392	10.19	JMC, ROCK ISLAND, IL	JAN 06	SS/OP	UNKNOWN	APR 06	MAR 07	YES		
FUZE, PD, M945											
FY 2006	20,392	50.82	JMC, ROCK ISLAND, IL	JAN 06	SS/OP	KDI PRECISION, CINCINATTI, OH	MAR 07	FEB 08	YES		
IGNITION CARTRIDGE M752											
FY 2006	20,392	41.72	JMC, ROCK ISLAND, IL	JAN 06	SS/OP	UNKNOWN	JUN 06	FEB 08	YES		
PROPELLENT CHARGE											
FY 2006	80,393	12.02	JMC, ROCK ISLAND, IL	JAN 06	SS/OP	GENERAL DYNAMICS, MARION, IL	MAR 06	FEB 07	YES		

Exhibit P-5a, Procurement History and Planning Continued					Weapon System		Date: FEBRUARY 2006			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				P-1 Line Item Nomenclature: (109100) 81MM, ALL TYPES						
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method and Type	Contractor and Location	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
SHELL BODY, 81MM, M889										
FY 2006	20,392	61.19	JMC, ROCK ISLAND, IL	JAN 06	SS/FP	UNKNOWN	MAR 06	MAR 07	YES	
C870, CTG, 81MM SMOKE RP										
LAP, CTG, 81MM, M819										
FY 2006	9,056	281.74	JMC, ROCK ISLAND, IL	JAN 06	SS/FP	PINE BLUFF ARSENAL, PINE BLUFF, AR	MAR 06	SEP 07	YES	
FY 2007	4,930	322.52	JMC, ROCK ISLAND, IL	JAN 06	SS/FP	PINE BLUFF ARSENAL, PINE BLUFF, AR	MAR 07	SEP 08	YES	
BODY TUBE AND TAIL CONE										
FY 2006	9,418	49.62	JMC, ROCK ISLAND, IL	JAN 06	SS/OP	LEWIS ENGINEERING, MARSHALL, TX	MAR 06	SEP 07	YES	
FY 2007	5,127	56.76	JMC, ROCK ISLAND, IL	JAN 06	SS/OP	LEWIS ENGINEERING, MARSHALL, TX	MAR 07	SEP 08	YES	
FUZE M772(EA)										
FY 2006	9,418	188.66	JMC, ROCK ISLAND, IL	JAN 06	SS/OP	JUNGHAMS, SCHRAMBERG, GERMANY	MAR 06	SEP 07	YES	
FY 2007	5,127	215.92	JMC, ROCK ISLAND, IL	JAN 06	SS/OP	JUNGHAMS, SCHRAMBERG, GERMANY	MAR 07	SEP 08	YES	
GAS ABSORBENT MODULE (GAM)										
FY 2006	18,336	11.38	JMC, ROCK ISLAND, IL	JAN 06	SS/OP	UNKNOWN	MAR 06	SEP 07	YES	
FY 2007	9,982	13.02	JMC, ROCK ISLAND, IL	JAN 06	SS/OP	UNKNOWN	MAR 07	SEP 08	YES	
IGN CTG M752 (EA)										
FY 2006	9,418	41.72	JMC, ROCK ISLAND, IL	JAN 06	C/FP	UNKNOWN	MAR 06	SEP 07	YES	
FY 2007	5,127	47.79	JMC, ROCK ISLAND, IL	JAN 06	C/FP	UNKNOWN	MAR 07	SEP 08	YES	
INNER CONTAINER										
FY 2006	9,418	5.77	JMC, ROCK ISLAND, IL	JAN 06	SS/OP	UNITED AMMO CONTAINER, MILAN, TN	MAR 06	SEP 07	YES	
FY 2007	5,127	6.63	JMC, ROCK ISLAND, IL	JAN 06	SS/OP	UNITED AMMO CONTAINER, MILAN, TN	MAR 07	SEP 08	YES	
OUTER CONTAINER										
FY 2006	3,139	35.60	JMC, ROCK ISLAND, IL	JAN 06	SS/OP	UNITED AMMO CONTAINER, MILAN, TN	MAR 06	SEP 07	YES	
FY 2007	1,709	40.96	JMC, ROCK ISLAND, IL	JAN 06	SS/OP	UNITED AMMO CONTAINER, MILAN, TN	MAR 07	SEP 08	YES	
PROP CHG M218 (EA)										
FY 2006	37,130	12.02	JMC, ROCK ISLAND, IL	JAN 06	SS/OP	GENERAL DYNAMICS, MARION, IL	MAR 06	SEP 07	YES	
FY 2007	20,213	13.75	JMC, ROCK ISLAND, IL	JAN 06	SS/OP	GENERAL DYNAMICS, MARION, IL	MAR 07	SEP 08	YES	
C871, CTG, 81MM ILLUM										
LOAD, ASSEMBLE & PACK (LAP)										
FY 2005	59,261	226.42	JMC, ROCK ISLAND, IL	OCT 06	SS/FFP	PINE BLUFF ARSENAL, PINE BLUFF, AR	DEC 04	SEP 06	YES	
FY 2007	17,561	303.97	JMC, ROCK ISLAND, IL	OCT 06	SS/FFP	PINE BLUFF ARSENAL, PINE BLUFF, AR	DEC 06	SEP 08	YES	
CONTAINER ASSY M205 (EA)										
FY 2005	251,862	N/A	JMC, ROCK ISLAND, IL	OCT 06	N/A	STOCK ISSUE	DEC 04	SEP 06	YES	
FY 2007	74,635	3.36	JMC, ROCK ISLAND, IL	OCT 06	C/FP	UNKNOWN	MAR 07	SEP 08	YES	
FUZE MTSQ M772										
FY 2005	61,633	138.06	JMC, ROCK ISLAND, IL	SEP 06	C/FP	JUNGHAMS, SCHRAMBERG, GERMANY	DEC 04	SEP 06	YES	
FY 2007	18,264	185.34	JMC, ROCK ISLAND, IL	SEP 06	C/FP	JUNGHAMS, SCHRAMBERG, GERMANY	DEC 06	SEP 08	YES	
IGNITION CARTRIDGE M752										
FY 2005	61,633	17.13	JMC, ROCK ISLAND, IL	OCT 06	C/FP	AMERICAN ORDNANCE, MILAN, TN	DEC 04	SEP 06	YES	
FY 2007	18,264	22.10	JMC, ROCK ISLAND, IL	OCT 06	C/FP	UNKNOWN	DEC 06	SEP 08	YES	
ILLUMINANT CANISTER										
FY 2005	62,227	92.23	JMC, ROCK ISLAND, IL	OCT 06	SS/FP	CRANE AAP, CRANE, IN	DEC 04	SEP 06	YES	
FY 2007	18,440	123.81	JMC, ROCK ISLAND, IL	OCT 06	SS/FP	CRANE AAP, CRANE, IN	DEC 06	SEP 08	YES	
M29 FIN F/81MM										
FY 2005	61,633	17.73	JMC, ROCK ISLAND, IL	OCT 06	C/FP	GAYSTON CORP, SPRINGBORO, OH	SEP 05	SEP 06	YES	
FY 2007	18,264	23.82	JMC, ROCK ISLAND, IL	OCT 06	C/FP	UNKNOWN	JUL 07	SEP 08	YES	
M9 FLAKE .010 (LB)										
FY 2005	1,384	N/A	JMC, ROCK ISLAND, IL	OCT 06	N/A	STOCK ISSUE	DEC 04	SEP 06	YES	
FY 2007	410	N/A	JMC, ROCK ISLAND, IL	OCT 06	N/A	STOCK ISSUE	DEC 06	SEP 08	YES	
PROPELLANT CHARGE M219										
FY 2005	245,936	1.86	JMC, ROCK ISLAND, IL	SEP 06	C/FP	AO, MILAN, TN	AUG 05	SEP 06	YES	
FY 2007	72,879	2.50	JMC, ROCK ISLAND, IL	SEP 06	C/FP	UNKNOWN	MAR 07	SEP 08	YES	















Exhibit P-40, Budget Item Justification								Date: FEBRUARY 2006			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition						P-1 Item Nomenclature: (112100) 120MM, ALL TYPES					
Program Element for Code B Items:				Other Related Program Elements							
	ID Code	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011		To Complete	Total Program
Proc Qty											
Gross Cost	A	43.795	9.428	32.858	35.677	58.725	55.784	32.303			268.570
<p>Description: The Cartridge, 120MM Target Practice Cartridge with Tracer (TP-T) M831 Series (DODIC C784) is a fixed 120mm cartridge which simulates the ballistics of the High Explosive Anti-tank Multi-Purpose with Tracer (HEAT-MP-T) M830 Series Cartridge.</p> <p>The Cartridge, 120MM Target Practice Cone Stabilized Discarding Sabot with Tracer (TPCSDS-T) M865 (DODIC C785) is a kinetic energy, target practice round for use with the 120mm smooth bore M256 Cannon. It is designed to simulate the service round characteristics at reduced maximum ranges to allow the practice firings on short range proving grounds and training areas.</p> <p>The Cartridge, 120MM High Explosive Anti-Tank Multi-Purpose with Tracer (HEAT-MP-T) M830A1 (DODIC C791). The M830A1 Cartridge is used in the 120mm smooth bore M256 Cannon and is a fin-stabilized round with a discarding sabot. This is a multi-purpose round with anti-tank and air defense capability.</p> <p>The XM1002 Target Practice Multi-Purpose Cartridge with Tracer (TPMP-T) (DODIC CA31), 120MM Cartridge is a Training Cartridge for the tactical M830A1 HEAT-MP-T Cartridge.</p> <p>The M1028 120MM Canister Cartridge (DODIC CA38) is used in the 120mm smooth bore M256 cannon aboard the M1A1 Main Battle Tank. The M1028 canister tank cartridge is a tank round comprised of 1150 tungsten balls, which are expelled upon muzzle exit.</p> <p>Expeditionary Fire Support System (EFSS) will be a family of 120MM that will include Illumination, High Explosive, and White Phosphorus munitions. The EFSS will provide all-weather, ground-based, close supporting, accurate, immediately responsive, and lethal indirect fire support for the Marine Air-Ground Task Force (MAGTF). EFSS will be the principal indirect fire support weapon for Marine Expeditionary Units and vertical assault elements of a Ship-To-Objective Maneuver force. EFSS will be capable of successfully engaging a spectrum of potential point and area targets, including motorized, light armored, and dismounted personnel targets, command and control systems, and indirect fire systems.</p> <p>Note: The Family of 120MM Rifled Ammunition is currently undergoing WSERB Qualification. It is expected that during FY06 (Jul 06) that PM, EFSS will be able to provide unit pricing &amp; component data information as well as quantities to procure for a 120MM Rifled Family of Ammunition. When this occurs DFM will be provided with that information. PANMC funding identified for procurement through the FYDP will be used to procure this new Family of 120MM Rifled Ammunition to support Training and War Reserve Requirements.</p>											

Exhibit P-40, Budget Item Justification, Continued								Date: FEBRUARY 2006			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition						P-1 Item Nomenclature: (112100) 120MM, ALL TYPES					
Program Element for Code B Items:				Other Related Program Elements							
	ID Code	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011		To Complete	Total Program
Proc Qty											
Gross Cost	A	43.795	9.428	32.858	35.677	58.725	55.784	32.303			268.570
<p>Funding changes are based on changes in the Total Munitions Requirement, the unit price of the rounds, production issues, MCCDC priorities, changes in starting inventory, the top level funding provided and programmatic issues for over 300 items across the FYDP. Each of these variables change at least once a year and result in fluctuations in the budget.</p> <p>FY06 funding includes a Congressional Add of \$2.3M for 120MM Tank Ammunition-M1028 Canister Rounds.</p>											

DODIC / Description	FY05 Supplemental Dollars Received
C791, 120MM HEAT-MP-T	15.738
CA38, 120MM Canister	2.896
Total 120mm, All Types	18.634

Exhibit P-5, Cost Analysis			Weapon System			Date: FEBRUARY 2006						
Appropriation Code/Budget Activity/Serial Number:			ID Code:	P-1 Line Item Nomenclature:								
Procurement of Ammunition, Navy and Marine Corps/2/Ammunition			A	(112100) 120MM, ALL TYPES								
	FY05			FY06			FY07					
	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
WBS COST ELEMENTS												
HARDWARE												
C784, CTG, 120MM TP-T M831A1												
COMPLETE ROUND M831A1	2.462	3,830	642.69									
C785, CTG, 120MM TPCSDS-T M865												
COMPLETE ROUND M865	5.790	9,492	609.97				6.247	9,916	630.01			
C791, CTG, 120MM HEAT-MP-T (AA) M830A1*												
COMPLETE ROUND M830A1	21.537	3,000	6233.00				5.139	1,000	6474.00			
CA31, CTG, 120MM TPMP-T M1002												
COMPLETE ROUND												
CA38, CTG, 120MM TANK CANISTER XM1028												
COMPLETE ROUND	7.155	5,000	1490.00	1.348	1,000	1586.00	2.962	2,000	1500.00			
EFSS, EXPEDITIONARY FIRE SUPPORT SYSTEM (EFSS)												
AMMUNITION UNDERGOING QUALIFICATION	1.500			7.231			15.929					
PRODUCT												
ACCEPTANCE TESTING	0.988			0.315			0.898					
PRODUCTION ENGINEERING	4.356			0.530			1.627					
QUALITY ASSURANCE	0.007			0.004			0.056					
*UNIT COST PROVIDED BY ARMY ROUNDED TO NEAREST TWO DIGITS												
TOTAL	43.795			9.428			32.858					











Exhibit P-40, Budget Item Justification							Date: FEBRUARY 2006				
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				P-1 Item Nomenclature: (138800) CTG,25MM, ALL TYPES							
Program Element for Code B Items:				Other Related Program Elements							
	ID Code	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011		To Complete	Total Program
Proc Qty											
Gross Cost	A	8.385	2.090	9.536	8.250	17.008	0.850	0.000			46.119
<p>Description: The Cartridge, 25mm Target Practice Discarding Sabot with Tracer (TPDS-T) M910 Linked (DODIC A940) is fired from the M242 Automatic Cannon. This cartridge is a fixed type, percussion primer 25mm ammunition intended as a training substitute for armor piercing service ammunition. The M910 Cartridge consists of a sabot encapsulated projectile body, crimped to a steel cartridge case containing 97 grams of extruded propellant, M115 Percussion Primer and booster pellet. The projectile body consists of a solid-steel core, pressed-on aluminum windshield, pressed-in tracer pellets, molded discarding-type nylon sabot, staked-aluminum base, and pressed-on polyethylene nose cap.</p> <p>The Cartridge, 25mm Dummy M794 Linked (DODIC A967) is used for non-firing system checkout used with the 25mm M242 Automatic Cannon for training of the crew. This M794 Cartridge is a modified M793 Target Practice with Tracer (TP-T) projectile silver brazed to a modified standard cartridge case and is completely inert. The cartridge case cavity is filled through an enlarged primer hole with an epoxy resin filler to approximate the weight of the M792 High Explosive Incendiary-Tracer (HEI-T) and M793 TP-T Service Cartridges. The threaded nose of the TP-T projectile is silver brazed to the projectile body to improve physical integrity. The external configuration of the M794 metal dummy cartridge (by use of standard components) is the same as that of the M792 HEI-T and M793 TP-T Service Cartridges. These cartridges are linked together by the M28 link.</p> <p>The Cartridge, 25mm Target Practice-Tracer (TP-T) M793 Linked (DODIC A976) is a target practice cartridge used in training, gun testing, and gun system functioning for the M242 25mm Automatic Cannon. The M793 is a fixed type, percussion primed 25mm projectile, and is intended as a substitute for the 25mm tactical round cartridge. The projectile is painted blue and is inert. The cartridge consists of a hollow, two-piece projectile body, which is crimped to a steel cartridge case containing 99 grams of ball propellant, M115 Percussion Primer, and booster pellet. The body of the projectile consists of a hollow steel body screw-on steel nosepiece, swaged iron-rotating band, and pressed-in tracer pellets. This projectile is configured only as linked ammunition.</p> <p>The Cartridge, 25mm APFSDS-T M919 Linked (DODIC A986) is an Armor-Piercing Discarding Sabot with Tracer (APFSDS-T) cartridge fired from the M242 Automatic Cannon. This cartridge is a fixed type, percussion primed 25mm ammunition, intended as an armor piercing service round to successfully engage light armored vehicles. The M719 cartridge consists of a subcaliber projectile inside an aluminum sabot crimped to a steel cartridge case containing 98 grams of extruded propellant, a M115 Percussion Primer, and a booster pellet. The subprojectile consists of a depleted uranium penetrator and a threaded aluminum windshield with pressed-in tracer pellets. The three piece aluminum sabot utilizes a nylon obturator and a polyethylene nose cap.</p>											

Exhibit P-40, Budget Item Justification, Continued								Date: FEBRUARY 2006									
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition						P-1 Item Nomenclature: (138800) CTG, 25MM, ALL TYPES											
Program Element for Code B Items:				Other Related Program Elements													
	ID Code	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011		To Complete	Total Program						
Proc Qty																	
Gross Cost	A	8.385	2.090	9.536	8.250	17.008	0.850	0.000			46.119						
<p>Light Armor Vehicle 25 (DODIC LAV2). This funding is being used for the evaluation of advanced technology in the 25MM Family of munitions. The LAV-25 is an all-terrain, all-weather vehicle with night capabilities. It provides strategic mobility to reach and engage the threat, tactical mobility for effective use of fire power, fire power to defeat soft and armored targets, and battlefield survivability to carry out combat missions. It is air transportable via C-130, C-141, C-5 and CH-53 E. When combat loaded there are 210 ready rounds and 420 stowed rounds of 25 mm ammunition as well as 400 ready rounds and 1200 stowed rounds of 7.62mm. There are 8 ready rounds and 8 stowed rounds of smoke grenades. A supplementary M240E1 7.62mm machine gun can be pintle-mounted at the commander's station in the turret. The LAV-25 is fully amphibious with a maximum of 3 minutes preparation.</p> <p>Funding changes are based on changes in the Total Munitions Requirement, the unit price of the rounds, production issues, MCCDC priorities, changes in starting inventory, the top level funding provided and programmatic issues for over 300 items across the FYDP. Each of these variables change at least once a year and result in fluctuations in the budget.</p>																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 40%; padding: 5px;">DODIC / Description</td> <td style="width: 60%; padding: 5px;">FY05 Supplemental Dollars Received</td> </tr> <tr> <td style="padding: 5px;">A976, TP-T, M993, Linked</td> <td style="text-align: right; padding: 5px;">4.654</td> </tr> <tr> <td style="padding: 5px;">Total CTG 25mm, All Types</td> <td style="text-align: right; padding: 5px;">4.654</td> </tr> </table>												DODIC / Description	FY05 Supplemental Dollars Received	A976, TP-T, M993, Linked	4.654	Total CTG 25mm, All Types	4.654
DODIC / Description	FY05 Supplemental Dollars Received																
A976, TP-T, M993, Linked	4.654																
Total CTG 25mm, All Types	4.654																

Exhibit P-40a, Budget Item Justification for Aggregated Items										Date: FEBRUARY 2006	
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition					P-1 Item Nomenclature: (138800) CTG,25MM, ALL TYPES						
	ID Code	FY2005	FY2006	FY2007						To Complete	Total
LAV2, LIGHT ARMOR VEHICLE-25 (LAV-25)	A	0.005	0.000	0.000							
QTY		0	0	0							
P40a Total		0.005	0.000	0.000							











Exhibit P-40, Budget Item Justification							Date: FEBRUARY 2006				
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				P-1 Item Nomenclature: (142800) 9MM, ALL TYPES							
Program Element for Code B Items:				Other Related Program Elements							
	ID Code	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011		To Complete	Total Program
Proc Qty											
Gross Cost	A	7.900	0.000	4.197	4.356	4.929	0.000	0.000			21.382
<p>Description: The Cartridge, 9mm Jacketed Hollow Point JHP (DODIC A260) ammunition is a 9mm cartridge that produces a subsonic velocity and may be used in M9 Pistols and MP5N Submachine Guns.</p> <p>The Cartridge, 9mm Training-Practice Tracer (TP-T) M939 for Anti-Tank-4 (AT-4) (DODIC A358) is intended for use in the M287 Target Practice Launcher for training on the M136 (AT-4) Anti-Tank weapon. This cartridge is the only authorized ammunition for use in the M287 Target Practice Launcher. The projectile of the 9mm M939 has a tracer element which allows the user to visually observe the flight of the projectile to the point of impact.</p> <p>The Cartridge, 9mm Dummy M917 (DODIC A359) is completely inert and is intended for use in weapons familiarization and maintenance of 9mm weapons. This round can be used in the M9 Service Pistol and the MP5N Submachine Gun for training. The cartridge contains neither a primer nor propellant composition.</p> <p>The Cartridge, 9mm Ball M882 (DODIC A363) is intended for use against enemy personnel and for security purposes. This cartridge may be used in the M9 Service Pistol and the MP5N Submachine Gun.</p> <p>The cartridge caliber .380 (DODIC A415) ammunition is used by the Commandant of the Marine Corps personal security detail.</p> <p>The Cartridge, 9mm Red Marking (DODIC AA12) is utilized with the M4A1 Carbine, Sig Sauer P226 Pistol, MP5 Submachine Gun and M9 Special Effects Small Arms Marking System (SESAMS) Adapter Kits. Weapons fitted with the training adapters will operate semi or full automatic simulating live fire. The intended use for this cartridge is to provide enhanced training by allowing force-on-force training versus firing at silhouette on impact. When the projectile impacts a target, the plastic projectile sheath breaks and detergent marks the target indicating a hit.</p> <p>The Cartridge, 9mm Blue Marking (DODIC AA21) is utilized with the M4A1 Carbine, Sig Sauer P226 Pistol, MP5 Submachine Gun and M9 Special Effects Small Arms Marking System (SESAMS) Adapter Kits. Weapons fitted with the training adapters will operate semi or full automatic simulating live fire. The intended use for this cartridge is to provide enhanced training by allowing force-on-force training versus firing at silhouette on impact. When the projectile impacts a target, the plastic projectile sheath breaks and detergent marks the target indicating a hit.</p>											

Exhibit P-40, Budget Item Justification, Continued								Date: FEBRUARY 2006			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition						P-1 Item Nomenclature: (142800) 9MM, ALL TYPES					
Program Element for Code B Items:				Other Related Program Elements							
	ID Code	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011		To Complete	Total Program
Proc Qty											
Gross Cost	A	7.900	0.000	4.197	4.356	4.929	0.000	0.000			21.382
<p>The Cartridge, 9mm Spotting Rifle MK212 Mod 0 (DODIC AX11) is used on the MK153 Assault Rocket Launcher (ARL)/Shoulder-Launched Multipurpose Assault Weapon (SMAW).</p> <p>Weapons fitted with the M9 Special Effects Small Arms Marking System (DODIC SESAMS) Adapter Kit will operate semi or full automatic simulating live fire. The intended use for the SESAMS is to provide enhanced simulated automatic live fire training by allowing force-on-force training versus firing at silhouette on impact. When the round impacts a target, the plastic projectile sheath breaks and detergent marks the target indicating a hit.</p> <p>The Cartridge, 9mm Ball M882 (DODIC X363) is environmentally friendly (lead free) and intended for use against enemy personnel and for security purposes. This cartridge may be used in the M9 Service Pistol and the MP5N Submachine Gun.</p> <p>Funding changes are based on changes in the Total Munitions Requirement, the unit price of the rounds, production issues, MCCDC priorities, changes in starting inventory, the top level funding provided and programmatic issues for over 300 items across the FYDP. Each of these variables change at least once a year and result in fluctuations in the budget.</p>											
DODIC / Description		FY05 Supplemental Dollars Received									
A363, Ball, M882		0.085									
Total 9mm, All Types		0.085									

Exhibit P-40a, Budget Item Justification for Aggregated Items									Date:		
									FEBRUARY 2006		
Appropriation Code/Budget Activity/Serial Number:				P-1 Item Nomenclature:							
Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				(142800) 9MM, ALL TYPES							
	ID Code	FY2005	FY2006	FY2007						To Complete	Total
A260, CTG, 9MM SUBSONIC JHP	A	0.000	0.000	0.121							
QTY		0	0	930,769							
A358, CTG, 9MM TP-T FOR AT-4	A	0.000	0.000	0.226							
QTY		0	0	332,352							
A415, CTG, CAL .380 BALL (9MM SHORT)	A	0.000	0.000	0.004							
QTY		0	0	40,000							
AA12, CTG, 9MM SESAMS (RED)	A	1.800	0.000	1.562							
QTY		4,500,000	0	3,471,111							
AA21, CTG, 9MM SESAMS (BLUE)	A	1.403	0.000	1.659							
QTY		3,507,500	0	3,686,666							
AX11, CTG, 9MM FOR SMAW	A	0.000	0.000	0.621							
QTY		0	0	266,523							
SESM, SPC EFFECTS SMALLARMS MK SYS (SESAMS)	A	0.134	0.000	0.000							
QTY		335,000	0	0							
X363, CTG 9MM REHA	A	0.400	0.000	0.000							
QTY		975,609	0	0							

Exhibit P-5, Cost Analysis			Weapon System			Date: FEBRUARY 2006						
Appropriation Code/Budget Activity/Serial Number:			ID Code:	P-1 Line Item Nomenclature:								
Procurement of Ammunition, Navy and Marine Corps/2/Ammunition			A	(142800) 9MM, ALL TYPES								
	FY05			FY06			FY07					
	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
WBS COST ELEMENTS												
HARDWARE												
A359, CTG, 9MM DUMMY												
LOAD, ASSEMBLE & PACK (LAP)												
A363, CTG, 9MM BALL												
LOAD, ASSEMBLE & PACK (LAP)	3.785	37,845,454	0.10									
BOX METAL M2A1 (EA)	0.281	36,971	7.61									
PRODUCT												
ACCEPTANCE TESTING	0.001											
PRODUCTION ENGINEERING	0.089						0.004					
QUALITY ASSURANCE	0.007											

[illegible]

Exhibit P-40, Budget Item Justification							Date: FEBRUARY 2006				
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				P-1 Item Nomenclature: (146800) GRENADES, ALL TYPES							
Program Element for Code B Items:				Other Related Program Elements							
	ID Code	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011		To Complete	Total Program
Proc Qty											
Gross Cost	A	10.428	5.245	16.733	33.850	30.694	0.399	0.000			97.349
<p>Description: The Grenade, Launcher Smoke Infrared (IR) Screening M76 (DODIC G826) is used with the M250, M239, M243 Grenade Launchers installed on tanks, AAVs, and LAVs to provide infrared and visual smoke screening for armored/tactical vehicles in combat situations. The plastic body houses the IR composition, burster, booster lead, and safe and arming (S&amp;A) mechanism. The propellant assembly includes a pyrotechnic delay detonator, launch propellant, an electric match, and a propellant retainer with electrical contacts.</p> <p>The Fuze, Hand Grenade Practice M228 (DODIC G878) is a pyrotechnic delay-igniting fuze. The fuze is used with the Grenade, Hand Practice M69 (DODIC G811). The fuze contains a primer and a pyrotechnic delay column. Assembled to the fuze is a striker, striker spring, safety lever, safety pin with pull ring, safety clip, and igniter assembly.</p> <p>The Grenade, Hand Fragmentation M67 (DODIC G881) is used to supplement small arms fire against the enemy in close combat. The grenade produces casualties by high velocity projection of fragments in a uniform distribution pattern. The grenade body is a 2.5-inch diameter steel sphere containing 6.5 ounces of Composition B high explosive. This grenade is fuze with the M213 Pyrotechnic Delay-detonating Fuze.</p> <p>The Grenade, Hand Incendiary Thermite (TH-3) AN-M14 (DODIC G900) is used to provide a source of intense heat to destroy equipment. This incendiary hand grenade generates heat up to 4000° F. It is filled with an incendiary mixture, TH-3, and First-Fire Mixture VII. This grenade is fuze with the M201A1 Pyrotechnic Delay-igniting Fuze.</p> <p>The Grenade, Hand Green Smoke M18 (DODIC G940) is used for screening, marking, and signaling. Each grenade will emit smoke for 50 to 135 seconds. The body of thin sheet metal is filled with a green smoke composition and topped with a starter mixture. The M201A1 Fuze is a pyrotechnic delay-igniting fuze.</p> <p>The Grenade, Hand Yellow Smoke M18 (DODIC G945) is used for screening, marking, and signaling. Each grenade will emit smoke for 50 to 135 seconds. The body of thin sheet metal is filled with yellow smoke composition and topped with a starter mixture. The M201A1 Fuze is a pyrotechnic delay-igniting fuze.</p> <p>The Grenade, Hand Smoke Violet M18 (DODIC G955) is a hand grenade used to generate violet smoke for screening, marking, and signaling. Each grenade will emit smoke for 50 to 135 seconds. The body of thin sheet metal is filled with violet smoke composition. The M201A1 Fuze is a pyrotechnic delay-igniting fuze.</p>											

Exhibit P-40, Budget Item Justification, Continued								Date: FEBRUARY 2006			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition					P-1 Item Nomenclature: (146800) GRENADES, ALL TYPES						
Program Element for Code B Items:				Other Related Program Elements							
	ID Code	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011		To Complete	Total Program
Proc Qty											
Gross Cost	A	10.428	5.245	16.733	33.850	30.694	0.399	0.000			97.349
<p>The Mine, Antipersonnel Practice M68 with Accessories (DODIC K139) is used to train personnel in the handling and use of the Mine, Antipersonnel (APERS) M18A1 (DODIC K143). The DODIC K139 comes in a kit consisting of the blue M33 APERS Mine and the M10 Electrical Blasting Cap Assembly, which are completely inert, the M57 Firing Device, and the M40 Test Set. The M57 Firing Device and the M40 Test Set are the same as those issued with the M18A1.</p> <p>The Mine, Antipersonnel M18A1 with M57 Firing Device (DODIC K143) is a fragmentation antipersonnel mine that contains 700 steel balls and 682 grams of composition C4 explosive. It is a command detonated mine that is activated by an electric blasting cap. The mine projects a fan shaped pattern of steel balls in a 60° arc at a height of 2 meters and cover a casualty radius of 100 meters. The mine is green in color. These accessories permit the mine to be employed, tested, and fired without any other equipment.</p> <p>The Riot Control Agent, CS (DODIC K765) is a riot control agent capsule that consists of ortho-chlorobenzylidene malano-nitrile. The capsules are used to demonstrate to trainees the protection effort afforded by properly fitted chemical-biological masks, and to demonstrate to unmasked trainees the effects of CS riot control agents.</p> <p>The Floating Smoke Pot (FSP) (DODIC KM03) is a new item being procured using the Foreign Comparative Test (FCT) Program. This new item, DODIC KM03, will replace older variants, HC smoke pots. This FSP is designed to screen personnel and equipment movement and will replace current systems with a non-toxic smoke payload, Red Phosphorous (RP), and enhanced fuze.</p> <p>The Signal, Smoke Illumination, Marine MK124 Mod 0 (DODIC L283) is used for either day or night signaling, as appropriate, by personnel on land or sea. The signal is a one-handed operable device, intended for rescue use. This signal consists of an aluminum case that is 5.376 inches long and 1.638 inches in diameter. The case has two raised beads around its circumference on the flare (night) end. These beads positively identify the flare end, by the sense of touch, for night- time use.</p> <p>The Signal, Illumination Ground Red Star Cluster M158 (DODIC L306) is a rocket propelled, fin stabilized, hand launched, nighttime/daytime signaling device. When fired vertically, the signals project to an altitude of approximately 700-800 feet and produce five illuminant "stars" that burn for 6 seconds (minimum). The signal consists of a five star illuminant assembly and a rocket motor propulsion assembly contained in a hand held aluminum launching tube.</p> <p>The Signal, Illumination Ground White Star Cluster M159 (DODIC L307) is a rocket propelled, fin stabilized, hand launched, nighttime/daytime signaling device. When fired vertically, the signals project to an altitude of approximately 700-800 feet and produce five illuminant "stars" that burn for 6 seconds (minimum). The signal consists of a five star illuminant assembly and a rocket motor propulsion assembly contained in a hand held aluminum launching tube.</p>											

Exhibit P-40, Budget Item Justification, Continued								Date: FEBRUARY 2006			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition					P-1 Item Nomenclature: (146800) GRENADES, ALL TYPES						
Program Element for Code B Items:				Other Related Program Elements							
	ID Code	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011		To Complete	Total Program
Proc Qty											
Gross Cost	A	10.428	5.245	16.733	33.850	30.694	0.399	0.000			97.349
<p>The Signal, Illumination Ground White Star Parachute M127A1 (DODIC L312) is a rocket propelled, fin stabilized, hand launched, nighttime/daytime signaling device. When fired vertically, the signal projects to an altitude of approximately 700-800 feet, producing a parachute suspended star that burns for approximately 25 seconds (minimum). The M127A1 Signal consists of a parachute suspended illuminant assembly and a rocket motor propulsion assembly contained in a hand-held aluminum launching tube.</p> <p>The Signal, Illumination Ground Green Star Cluster M125A1 (DODIC L314) is a rocket propelled, fin stabilized, hand launched, nighttime/daytime signaling device. When fired vertically, the signals project to an altitude of approximately 700-800 feet and produce five illuminant "stars" that burn for 6 seconds (minimum). The M125A1 Signal consists of a five star illuminant assembly and a rocket motor propulsion assembly. Stabilizing fins on the rocket are folded parallel to the axis of the signal.</p> <p>The Flare, Surface Trip M49A1 (DODIC L495) consists of an illuminant assembly, cover loading assembly, and mounting bracket assembly. It is used to give warning of infiltrating Forces by illuminating the field of the advancing enemy. The waterproof cover loading assembly contains a spring-loaded striker, a percussion primer, and an intermediate charge. The mounting bracket holds the illuminant assembly in the position desired. The lever is hinged to the cover and is held in position by the safety clip when unarmed.</p> <p>The Simulator, Projectile Ground Burst M115A2 (DODIC L594) is used to simulate battle noises and effects on land only (shells in flight and ground explosions) during maneuvers and personnel training. This simulator consists of a cylindrical paper tube containing a photoflash charge and a whistle assembly.</p> <p>The Simulator, Explosive Booby Trap M117 Flash (DODIC L598) is used as a safe booby trap during maneuvers and in personnel training. Its purpose is to teach the installation, detection and use of booby traps, and to instill caution in troops exposed to booby traps set by an enemy. One end of the cord is covered with a friction composition; the other end is coiled and secured in the end of the body by a paper cap and a strip of tape.</p>											

Exhibit P-40, Budget Item Justification, Continued								Date: FEBRUARY 2006													
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition						P-1 Item Nomenclature: (146800) GRENADES, ALL TYPES															
Program Element for Code B Items:				Other Related Program Elements																	
	ID Code	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011		To Complete	Total Program										
Proc Qty																					
Gross Cost	A	10.428	5.245	16.733	33.850	30.694	0.399	0.000			97.349										
<p>The Simulator, Target Hit M25 (DODIC L709) is used to notify the gunner and crew on live-fire ranges that a target has been hit by producing a flash spray. This simulator consists of an outer plastic container with a protective cap taped to it.</p> <p>The Main Gun Signature Simulator (MGSS) (DODIC LA06) cartridge is used with the Multiple Integrated Laser Engagement Simulator (MILES) 2000 system to simulate main gun, tank, and artillery fire during training. This is a newly fielded item and has a signed Limited Saftey Release for use by the Tank community.</p> <p>Funding changes are based on changes in the Total Munitions Requirement, the unit price of the rounds, production issues, MCCDC priorities, changes in starting inventory, the top level funding provided and programmatic issues for over 300 items across the FYDP. Each of these variables change at least once a year and result in fluctuations in the budget.</p>																					
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%; padding: 5px;">DODIC / Description</td> <td style="width: 70%; padding: 5px;">FY05 Supplemental Dollars Received</td> </tr> <tr> <td style="padding: 5px;">G945, Hand Grenade, Yellow Smk</td> <td style="text-align: right; padding: 5px;">3.184</td> </tr> <tr> <td style="padding: 5px;">L283, MK124 Smk and Illum</td> <td style="text-align: right; padding: 5px;">1.500</td> </tr> <tr> <td style="padding: 5px;">G878, M228 Hand Gren Fuze</td> <td style="text-align: right; padding: 5px;">1.216</td> </tr> <tr> <td style="padding: 5px;">Total Grenades, All Types</td> <td style="text-align: right; padding: 5px;">5.900</td> </tr> </table>												DODIC / Description	FY05 Supplemental Dollars Received	G945, Hand Grenade, Yellow Smk	3.184	L283, MK124 Smk and Illum	1.500	G878, M228 Hand Gren Fuze	1.216	Total Grenades, All Types	5.900
DODIC / Description	FY05 Supplemental Dollars Received																				
G945, Hand Grenade, Yellow Smk	3.184																				
L283, MK124 Smk and Illum	1.500																				
G878, M228 Hand Gren Fuze	1.216																				
Total Grenades, All Types	5.900																				

Exhibit P-40a, Budget Item Justification for Aggregated Items								Date:			
								FEBRUARY 2006			
Appropriation Code/Budget Activity/Serial Number:					P-1 Item Nomenclature:						
Procurement of Ammunition, Navy and Marine Corps/2/Ammunition					(146800) GRENADES, ALL TYPES						
	ID Code	FY2005	FY2006	FY2007							
G826, GRENADE, LAUNCHER SMOKE IR M76	A	0.039	0.000	0.637							
QTY		0	0	6,370							
G900, GRENADE, HAND INCENDIARY TH3	A	0.000	0.000	0.033							
QTY		0	0	1,513							
K765, RIOT CONTROL AGENT, CS CAPSULE	A	0.001	0.000	0.000							
QTY		2,500	0	0							
KM03, SMOKE POT, FLOATING RP	A	0.170	0.290	0.307							
QTY		200	327	348							
</											

Appropriation Code/Budget Activity/Serial Number:  
Procurement of Ammunition, Navy and Marine Corps/2/Ammunition

[illegible]

Exhibit P-5, Cost Analysis			Weapon System			Date: FEBRUARY 2006						
Appropriation Code/Budget Activity/Serial Number:			ID Code:	P-1 Line Item Nomenclature:								
Procurement of Ammunition, Navy and Marine Corps/2/Ammunition			A	(146800) GRENADES, ALL TYPES								
	FY05			FY06			FY07					
	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
WBS COST ELEMENTS												
HARDWARE												
G878, FUZE, HAND GRENADE PRACTICE M228*												
COMPLETE ROUND	4.981	1,222,033	4.00	4.142	700,667	5.91	5.438	1,347,188	4.09			
G881, GRENADE, HAND FRAGMENTATION M67												
LOAD, ASSEMBLE & PACK (LAP)							2.888	76,810	37.61			
COMP B TYPE I GRADE A (LB)							0.093	34,560	2.68			
G940, GRENADE, HAND SMOKE GREEN M18												
GRENADE HAND SMOKE GREEN M18				0.576	12,323	46.77	1.447	31,563	45.83			
G945, GRENADE, HAND SMOKE YELLOW M18												
GRENADE HAND SMOKE YELLOW M18	2.765	77,520	35.66				0.520	11,690	44.53			
G955, GRENADE, HAND SMOKE VIOLET M18												
COMPLETE ROUND												
K139, MINE KIT, APERS PRACTICE												
LOAD, ASSEMBLY & PACK (LAP)							0.114	371	308.19			
BANDOLEER (EA)							0.002	379	4.82			
INERT MINI DEMOLITION SYSTEM							0.010	371	26.76			
K143, MINE, APERS (CLAYMORE) M18A1												
LOAD, ASSEMBLY & PACK (LAP)							0.431	2,286	188.53			
BANDOLEER (EA)							0.011	2,332	4.82			
INERT MINI DEMOLITION SYSTEM							0.034	4,115	8.35			
L283, SIGNAL, SMOKE & ILLUM MARINE MK124 MOD 0*												
LOAD, ASSEMBLY & PACK (LAP)	1.415	33,768	42.00	0.078	1,663	47.10						
BOX METAL M2A1 (EA)	0.015	1,948	7.56	0.001	97	7.17						
L306, SIGNAL, ILLUM GROUND RSC M158*												
LOAD, ASSEMBLY & PACK (LAP)							0.124	2,647	46.62			
BOX METAL M548							0.003	1,120	29.18			
*UNIT COST PROVIDED BY ARMY ROUNDED TO NEAREST TWO DIGITS												
SUB TOTAL	9.176			4.797			11.115					

Exhibit P-5, Cost Analysis Continued				Weapon System			Date: FEBRUARY 2006					
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				ID Code: A		P-1 Line Item Nomenclature: (146800) GRENADES, ALL TYPES						
	FY05			FY06			FY07					
	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
WBS COST ELEMENTS												
L307, SIGNAL, ILLUM GND WS CLUSTER M159												
LOAD, ASSEMBLY & PACK (LAP)							0.269	5,802	46.43			
BOX METAL M548							0.007	245	29.18			
L312, SIGNAL, ILLUM GROUND WSP M127A1*												
LOAD, ASSEMBLY & PACK (LAP)							0.523	11,028	47.44			
BOX METAL M548							0.014	4,650	29.18			
L314, SIGNAL, ILLUM GROUND GSC M125A1												
LOAD, ASSEMBLY & PACK (LAP)							0.570	12,341	46.16			
BOX METAL M548							0.015	520	29.18			
L495, FLARE, SURFACE TRIP M49A1												
COMPLETE ROUND							0.705	19,506	36.13			
L594, SIMULATOR, PROJ GROUND BURST M115A2												
LOAD, ASSEMBLY & PACK (LAP)							0.627	38,626	16.24			
L598, SIMULATOR, BOOBYTRAP FLASH M117												
COMPLETE ROUND							0.863	35,767	24.15			
L709, SIMULATOR, TARGET HIT M25												
COMPLETE ROUND							0.393	27,801	14.13			
LA06, MAIN GUN SIGNATURE SIMULATOR M30												
SIMULATOR, MAIN GUN SIGNATURE TANK M30				0.072	14,516	4.96	0.045	11,111	4.05			
PRODUCT												
ACCEPTANCE TESTING	0.067			0.005								
PRODUCTION ENGINEERING	0.616			0.079			0.635					
QUALITY ASSURANCE	0.004			0.002			0.014					
NONRECURRING												
CONTINGENCY	0.355						0.067					
GOVERNMENT FURNISHED MATERIAL							-0.106					
*UNIT COST PROVIDED BY ARMY ROUNDED TO NEAREST TWO DIGITS												
SUB TOTAL	1.042			0.158			4.641					
TOTAL	10.218			4.955			15.756					

Exhibit P-5a, Procurement History and Planning						Weapon System		Date: FEBRUARY 2006			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				P-1 Line Item Nomenclature: (146800) GRENADES, ALL TYPES							
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method and Type	Contractor and Location	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available	
HARDWARE											
G878, FUZE, HAND GRENADE PRACTICE M228											
COMPLETE ROUND											
FY 2005	611,019	4.00	JMC, ROCK ISLAND, IL	JAN 05	C/FFP	ALLIANT TECH SYSTEMS, KEYSER, WV	JUN 05	AUG 07	YES		
FY 2005	611,014	4.00	JMC, ROCK ISLAND, IL	JAN 05	C/FFP	MARTIN ELECTRONICS INDUSTRIES, PERRY, FL	JUN 05	JUN 07	YES		
FY 2006	350,335	5.91	JMC, ROCK ISLAND, IL	JAN 06	C/FFP	ALLIANT TECH SYSTEMS, KEYSER, WV	MAR 06	OCT 08	YES		
FY 2006	350,332	5.91	JMC, ROCK ISLAND, IL	JAN 06	C/FFP	MARTIN ELECTRONICS INDUSTRIES, PERRY, FL	MAR 06	AUG 08	YES		
FY 2007	673,597	4.09	JMC, ROCK ISLAND, IL	JAN 07	C/FFP	ALLIANT TECH SYSTEMS, KEYSER, WV	MAR 07	SEP 09	YES		
FY 2007	673,591	4.09	JMC, ROCK ISLAND, IL	JAN 07	C/FFP	MARTIN ELECTRONICS INDUSTRIES, PERRY, FL	MAR 07	MAY 09	YES		
G881, GRENADE, HAND FRAGMENTATION M67											
LOAD, ASSEMBLE & PACK (LAP)											
FY 2007	76,810	37.61	JMC, ROCK ISLAND, IL	UNKNOWN	C/FFP	UNKNOWN	MAR 07	MAR 08	NO		
COMP B TYPE 1 GRADE A (LB)											
FY 2007	34,560	2.68	JMC, ROCK ISLAND, IL	UNKNOWN	C/FFP	UNKNOWN	MAR 07	MAR 08	NO		
G940, GRENADE, HAND SMOKE GREEN M18											
GRENADE HAND SMOKE GREEN M18											
FY 2006	12,323	46.77	JMC, ROCK ISLAND, IL	JAN 06	SS/FP	PINE BLUFF ARSENAL, PINE BLUFF, AR	MAR 06	APR 07	YES		
FY 2007	31,563	45.83	JMC, ROCK ISLAND, IL	JAN 07	SS/FP	PINE BLUFF ARSENAL, PINE BLUFF, AR	MAR 07	APR 08	YES		
G945, GRENADE, HAND SMOKE YELLOW M18											
GRENADE HAND SMOKE GREEN M18											
FY 2005	77,520	35.66	JMC, ROCK ISLAND, IL	JAN 05	SS/FP	PINE BLUFF ARSENAL, PINE BLUFF, AR	MAR 05	APR 06	YES		
FY 2007	11,690	44.53	JMC, ROCK ISLAND, IL	JAN 07	SS/FP	PINE BLUFF ARSENAL, PINE BLUFF, AR	MAR 07	APR 08	YES		
K139, MINE KIT, APERS PRACTICE											
LOAD, ASSEMBLY & PACK (LAP)											
FY 2007	371	308.19	JMC, ROCK ISLAND, IL	UNKNOWN	C/OP	SPECTRA TECHNOLOGIES, EAST CAMDEN, AR	DEC 06	MAR 08	YES		
BANDOLEER (EA)											
FY 2007	379	N/A	JMC, ROCK ISLAND, IL	UNKNOWN	NA / NA	STOCK ISSUE	DEC 06	MAR 08	YES		
INERT MINI DEMOLITION SYSTEM											
FY 2007	371	26.76	JMC, ROCK ISLAND, IL	UNKNOWN	C/OP	SPECTRA TECHNOLOGIES, EAST CAMDEN, AR	DEC 06	MAR 08	YES		
K143, MINE, APERS (CLAYMORE) M18A1											
LOAD, ASSEMBLY & PACK (LAP)											
FY 2007	2,286	188.53	JMC, ROCK ISLAND, IL	UNKNOWN	C/FP	UNKNOWN	MAR 07	MAR 08	YES		
BANDOLEER (EA)											
FY 2007	2,332	N/A	JMC, ROCK ISLAND, IL	UNKNOWN	N/A	STOCK ISSUE	MAR 07	MAR 08	NO		
COMP C-4 CLASS 3 (LB)											
FY 2007	4,115	8.35	JMC, ROCK ISLAND, IL	UNKNOWN	SS/FP	BAE HOLSTON AAP KINGSPORT, TN	MAR 07	MAR 08	YES		
L283, SIGNAL, SMOKE & ILLUM MARINE MK124 MOD 0											
LOAD, ASSEMBLY & PACK (LAP)											
FY 2005	33,768	42.00	JMC, ROCK ISLAND, IL	JAN 05	C/OP	PYROTECHNICS SECURITY INC. BYRON, GA	JUL 05	JUL 06	YES		
FY 2006	1,663	47.10	JMC, ROCK ISLAND, IL	OCT 05	C/OP	PYROTECHNICS SECURITY INC. BYRON, GA	MAR 06	JUL 07	YES		
BOX, METAL M2A1											
FY 2005	1,948	7.56	JMC, ROCK ISLAND, IL	MAR 05	C/FP	BWAY CORPORTION ATLANTA, GA	SEP 05	JUL 06	YES		
FY 2006	97	7.17	JMC, ROCK ISLAND, IL	SEP 05	C/FP	UNKNOWN	MAR 06	JUL 07	YES		

Exhibit P-5a, Procurement History and Planning					Weapon System			Date: FEBRUARY 2006		
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				P-1 Line Item Nomenclature: (146800) GRENADES, ALL TYPES						
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method and Type	Contractor and Location	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
L306, SIGNAL, ILLUM GROUND RSC M158										
LOAD, ASSEMBLY & PACK (LAP)										
FY 2007	2,647	46.62	JMC, ROCK ISLAND, IL	UNKNOWN	SS/FP	SECURITY SIGNALS, CORDOVA, TN	MAR 07	MAR 08	YES	
BOX, METAL M548										
FY 2007	1,120	29.18	JMC, ROCK ISLAND, IL	UNKNOWN	SS/FP	CONCO INC. LOUISVILLE, KY	MAR 07	MAR 08	NO	
L307, SIGNAL, ILLUM GND WS CLUSTER M159										
LOAD, ASSEMBLY & PACK (LAP)										
FY 2007	5,802	46.43	JMC, ROCK ISLAND, IL	UNKNOWN	SS/FP	SECURITY SIGNALS, CORDOVA, TN	MAR 07	MAR 08	YES	
BOX, METAL M548										
FY 2007	245	29.18	JMC, ROCK ISLAND, IL	UNKNOWN	SS/FP	CONCO INC. LOUISVILLE, KY	MAR 07	MAR 08	YES	
L312, SIGNAL, ILLUM GROUND WSP M127A1										
LOAD, ASSEMBLY & PACK (LAP)										
FY 2007	11,028	47.44	JMC, ROCK ISLAND, IL	UNKNOWN	SS/FP	SECURITY SIGNALS, CORDOVA, TN	MAR 07	MAR 08	YES	
BOX, METAL M548										
FY 2007	4,650	29.18	JMC, ROCK ISLAND, IL	UNKNOWN	SS/FP	CONCO INC. LOUISVILLE, KY	MAR 07	JAN 08	YES	
L314, SIGNAL, ILLUM GROUND GSC M125A1										
LOAD, ASSEMBLY & PACK (LAP)										
FY 2007	12,341	46.16	JMC, ROCK ISLAND, IL	UNKNOWN	C/OP	SECURITY SIGNALS, CORDOVA, TN	MAR 07	MAR 08	YES	
BOX, METAL M548										
FY 2007	520	29.18	JMC, ROCK ISLAND, IL	UNKNOWN	SS/FP	CONCO INC. LOUISVILLE, KY	MAR 07	MAR 08	YES	
L495, FLARE, SURFACE TRIP M49A1										
COMPLETE ROUND										
FY 2007	19,506	36.13	JMC, ROCK ISLAND, IL	UNKNOWN	C/OP	MARTIN ELECTRONICS INDUSTRIES, PERRY, FL	MAR 07	MAY 08	YES	

[illegible]





Exhibit P-40, Budget Item Justification								Date: FEBRUARY 2006			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition						P-1 Item Nomenclature: (147100) ROCKETS, ALL TYPES					
Program Element for Code B Items:				Other Related Program Elements							
	ID Code	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011		To Complete	Total Program
Proc Qty											
Gross Cost	A	22.516	7.175	10.201	2.131	0.000	0.000	0.000			42.023
<p>Description: The Cartridge and Launcher, 84mm M136 AT-4 (DODIC C995) is mainly employed against armored personnel carriers. However, it can be used against battle tanks when fired at the flanks or rear. It can also be employed as an assault weapon against bunkers, field fortifications, and other hard-point positions. Issued as one round of ammunition, the AT-4 tactical round is a self-contained, lightweight, disposable weapon.</p> <p>The M72AS Trainer Rocket (DODIC HA21) is a 21mm Sub-Caliber practice rocket that fully simulates the M72A7 Tactical Rocket. The Trainer Rocket is used with the M72AS Trainer Launcher (E5002VIIB) which is the same tube as the Tactical Rocket but contains an insert for use with the 21mm sub-caliber munition.</p> <p>The M72A7 Tactical Rocket, High Explosive, (DODIC HA29) is a lightweight, single shot, disposable weapon optimized to defeat lightly armored vehicles and other hard targets at close combat ranges.</p> <p>The SMAW Novel Explosive (DODIC HA34) round consists of an Encased Assault Rocket (EAR) with a Novel Explosive (thermobaric) warhead. The SMAW-NE is issued as a round of ammunition for firing from the reusable MK 153 launcher.</p> <p>The Rocket, 83mm Assault MK3 Mod 0 (SMAW) (DODIC HX05) is designed especially for use against reinforced concrete, sandbag and timber bunkers, brick and block walls, and lightly armored vehicles.</p> <p>The Rocket, 83mm High-Explosive Anti-Armor (HEAA) MK6 Mod 0 (SMAW) (DODIC HX06) is designed especially for use against main battle tanks and other armored vehicles. The rocket is an unguided, high explosive anti-armor rocket contained in a disposable one-shot rocket container.</p> <p>The M72A7 Tactical Rocket, High Explosive, (DODIC PLAR) is a lightweight, single shot, disposable weapon optimized to defeat lightly armored vehicles and other hard targets at close combat ranges.</p> <p>Funding changes are based on changes in the Total Munitions Requirement, the unit price of the rounds, production issues, MCCDC priorities, changes in starting inventory, the top level funding provided and programmatic issues for over 300 items across the FYDP. Each of these variables change at least once a year and result in fluctuations in the budget.</p> <p>*FY06 funding includes Congressional Adds of \$2.8M for SMAW, NE Ammunition, \$1.0M for SMAW, High Explosive Dual Purpose (HEDP) Ammunition and \$3.4M for M72A7 Lightweight Attack Weapon System (LAW).</p>											
DODIC / Description	FY05 Supplemental Dollars Received										
HA21, LAW TRN RKT	0.252										
HA29, LAW HE W/GRAZE	2.514										
Total Rockets, All Types	2.766										

Exhibit P-40a, Budget Item Justification for Aggregated Items									Date: FEBRUARY 2006		
Appropriation Code/Budget Activity/Serial Number:					P-1 Item Nomenclature:						
Procurement of Ammunition, Navy and Marine Corps/2/Ammunition					(147100) ROCKETS, ALL TYPES						
	ID Code	FY2005	FY2006	FY2007						To Complete	Total
C995, ROCKET, 84MM HEAA (AT-4)	A	0.668	0.000	0.000							
QTY		355	0	0							
HA21, ROCKET, TRAINER M72AS 21MM	A	0.502	0.000	0.000							
QTY		10,048	0	0							
HA34, ROCKET, MK 80 MOD 0 (SMAW-NE)	A	1.100	2.800	0.000							
QTY		800	695	0							
P40a Total		2.270	2.800	0.000							













Exhibit P-40, Budget Item Justification								Date: FEBRUARY 2006			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition						P-1 Item Nomenclature: (147300) ARTILLERY, ALL TYPES					
Program Element for Code B Items:				Other Related Program Elements							
	ID Code	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011		To Complete	Total Program
Proc Qty											
Gross Cost	A	57.318	43.391	35.514	44.113	54.389	83.504	120.018			438.247
<p>Description: The Projectile, 155mm Illuminating M485A2 (DODIC D505) is a separate loading artillery projectile that consists of a hollow steel shell with an illuminant canister, a canister expelling charge in the projectile nose, and a drogue parachute in the base. This projectile is fired from the 155mm M198 and M777 Towed Howitzers. The projectile uses a Mechanical Time fuze.</p> <p>The Projectile, 155mm High Explosive (HE) M795 (DODIC D529) is fired from the 155mm M198 Howitzer and is compatible with the M777 Light Weight 155 Howitzer. It is used to provide conventional support fires and provides an increase in range, lethality, and accuracy.</p> <p>The Projectile, 155mm High Explosive (HE) M107 Series (DODIC D544) is a separate loading projectile fired from the M198 and M777 Towed Howitzers. It is used to provide conventional support fires for infantry maneuver units.</p> <p>The Projectile, 155mm Smoke White Phosphorus (WP) M110A2 (DODIC D550) is a separate loading projectile used to provide smoke for marking purposes and can be used to provide screening of mechanized or infantry maneuver. The M110A2 projectile is fired from the M198 and M777 Towed Howitzers. A point detonating fuze is normally used with this projectile.</p> <p>The M231 Modular Artillery Charge System (MACS)(DODIC DA12) is a propelling charge for the 155mm family of artillery projectiles. The M231 is used at lower zones (1 or 2 increments at a time) and is based on the classical unicharge design, i.e. bi-directional center core ignition, granular propellant contained in a rigid combustible case. MACS will offer improvements in logistics, range, and simplicity when compared to existing bag propellants (M203 series, M119 series, M3 series and M4 series).</p> <p>The M232 Modular Artillery Charge System (MACS) (DODIC DA13) is a propelling charge for the 155mm family of artillery projectiles. The M232 is used at higher zones (3, 4, 5 or 6 increments at a time) and is based on the classical unicharge design, i.e. bi-directional center core ignition, granular propellant contained in a rigid combustible case. MACS will offer improvements in logistics, range, and simplicity when compared to existing bag propellants (M203 series, M119 series and M4 series).</p> <p>Funding changes are based on changes in the Total Munitions Requirement, the unit price of the rounds, production issues, MCCDC priorities, changes in starting inventory, the top level funding provided and programmatic issues for over 300 items across the FYDP. Each of these variables change at least once a year and result in fluctuations in the budget.</p> <p>FY06 funding includes \$12M in Title IX funds for 155MM High Explosive Projectile M795.</p>											
DODIC / Description		FY05 Supplemental Dollars Received									
DA13, MACS		8.432									
Total Artillery, All Types		8.432									

Exhibit P-5, Cost Analysis				Weapon System			Date: FEBRUARY 2006							
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				ID Code: A	P-1 Line Item Nomenclature: (147300) ARTILLERY, ALL TYPES									
WBS COST ELEMENTS			FY05			FY06			FY07					
			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
HARDWARE														
D505, PROJ, 155MM, M485A2, ILLUM														
LOAD, ASSEMBLE & PACK (LAP)								7.094	5,004	1417.71				
*UNIVERSAL LIFTING PLUG (EA)								0.041	5,155	8.02				
GROMMET(EA)								0.009	5,155	1.84				
D529, PROJ, 155MM, M795, HE EX RANGE*														
LOAD, ASSEMBLE & PACK (LAP)			3.050	26,180	116.53	4.443	44,714	99.37	6.218	59,276	104.91			
LIFTING PLUGS			0.184	26,974	6.82	0.294	50,716	5.81	0.372	60,585	6.14			
PROJ M795 MPTS			5.489	26,974	203.49	8.795	50,716	173.43	11.098	60,585	183.18			
SUPPLEMENTAL CHARGES			0.131	26,974	4.86	0.185	44,715	4.14	0.265	60,585	4.37			
TNT TYPE I GRADE A(LB)			1.915	652,938	2.93	1.885	754,161	2.50	3.872	1,466,536	2.64			
WOODEN PALLETS			0.151	3,174	47.57	0.162	4,000	40.52	0.305	7,129	42.78			
D544, PROJ, 155MM, M107, HE														
LOAD, ASSEMBLE & PACK (LAP)			4.102	55,936	73.33	4.051	44,112	91.84						
PROJ M107 MPTS			7.922	57,055	138.85	6.444	44,995	143.21						
*COMP B TYPE I GRADE A(LB)			2.943	1,274,223	2.31	2.321	1,004,872	2.31						
INSENSITIVE RDX														
*PLUG, SHOCK ATTENUATING			0.464	57,335	8.09	0.372	45,215	8.23						
GROMMET(EA)			0.099	57,615	1.72	0.085	45,436	1.88						
*SUPPLEMENTAL CHARGE			0.596	57,055	10.45	0.509	44,995	11.30						
D550, PROJ, 155MM, M110A2, SMOKE WP														
LOAD, ASSEMBLE & PACK (LAP)						1.934	5,653	342.15	1.459	5,531	263.80			
PROJ 155MM WP M110A2 MPTS(EA)						1.776	5,767	307.93	1.804	5,642	319.75			
CHG BSTR M54A1 ASSY(EA)						0.570	5,823	97.94	0.579	5,697	101.70			
CASING BSTR(EA)						0.379	5,767	65.76	0.385	5,642	68.29			
*TNT TYPE I FLAKE(LB)						0.003	1,209	2.17	0.003	1,182	2.39			
CYCLOTOL 75/25 TYPE 1						0.078	10,402	7.52	0.079	10,178	7.73			
PLUG, SHOCK ATTENUATING						0.047	5,767	8.23						
*UNIVERSAL LIFTING PLUG (EA)									0.046	5,697	8.02			
GROMMET(EA)						0.011	5,823	1.88	0.010	5,697	1.84			
DA12, CHG, 155MM, M231, MOD ARTY CHG SYS*														
LOAD, ASSEMBLE & PACK (LAP)			3.359	232,000	14.48	1.002	66,000	15.18						
COMBUSTIBLE CASE SETS			6.077	239,000	25.43	1.812	68,000	26.66						
PROPELLANT, SINGLE BASE, M231			3.248	812,000	4.00	1.080	231,000	4.68						
IGNITION SYSTEM PROPELLANT			0.097	15,000	6.45	0.028	4,000	6.76						
LAP CONTAINERS			2.190	58,000	37.76	0.766	17,000	45.08						
*UNIT COST PROVIDED BY ARMY ROUNDED TO NEAREST TWO DIGITS														
Sub Total			42.017			39.032			33.639					

Exhibit P-5, Cost Analysis Continued			Weapon System			Date: FEBRUARY 2006						
Appropriation Code/Budget Activity/Serial Number:			ID Code:	P-1 Line Item Nomenclature:								
Procurement of Ammunition, Navy and Marine Corps/2/Ammunition			A	(147300) ARTILLERY, ALL TYPES								
WBS COST ELEMENTS	FY05			FY06			FY07					
	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
DA13, CHG, 155MM, M232, MOD ARTY CHG SYS*												
LOAD, ASSEMBLE & PACK (LAP)	2.945	148,000	19.90	.856	43,000	19.92						
COMBUSTIBLE CASE SETS	3.811	152,000	25.00	1.153	44,000	26.21						
PROPELLANT (M232 TRIPLE BASE)	7.400	740,000	10.00	2.254	215,000	10.48						
IGNITION SYSTEM/SPHERIODAL PROPELLANT	.054	9,000	6.00	.019	3,000	6.29						
LAP CONTAINERS	1.184	30,000	40.00	.377	9,000	41.93						
PRODUCT												
ACCEPTANCE TESTING	0.921			0.414			0.161					
PRODUCTION ENGINEERING	1.921			1.603			1.793					
QUALITY ASSURANCE	0.008			0.004			0.008					
NONRECURRING												
GOVERNMENT FURNISHED MATERIAL	-2.943			-2.321			-0.087					
*UNIT COST PROVIDED BY ARMY ROUNDED TO NEAREST TWO DIGITS												
Sub Total	15.301			4.359			1.875					
Total	57.318			43.391			35.514					

Exhibit P-5a, Procurement History and Planning					Weapon System			Date: FEBRUARY 2006		
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				P-1 Line Item Nomenclature: (147300) ARTILLERY, ALL TYPES						
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method and Type	Contractor and Location	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
D505, PROJ, 155MM, M485A2, ILLUM										
LOAD, ASSEMBLE & PACK (LAP)										
FY 2007	5,004	1417.71	JMC, ROCK ISLAND, IL	OCT 04	C/FP	PINE BLUFF ARSENAL, PINE BLUFF, AR	DEC 06	NOV 08	YES	
*UNIVERSAL LIFTING PLUG										
FY 2007	5,155	N/A	JMC, ROCK ISLAND, IL	N/A	N/A	STOCK ISSUE	DEC 06	NOV 08		
GROMMET(EA)										
FY 2007	5,155	1.84	JMC, ROCK ISLAND, IL	OCT 04	C/FP	LC INDUSTRIES HAZELHURST	MAR 07	JAN 08	YES	
D529, PROJ, 155MM, M795, HE EX RANG										
LOAD, ASSEMBLE & PACK (LAP)										
FY 2005	26,180	116.53	ARDEC, PICATINNY, NJ	SEP 04	C/FFP	DAY & ZIMMERMAN, PARSONS, KS	MAR 05	SEP 06	YES	
FY 2006	44,714	99.37	ARDEC, PICATINNY, NJ	SEP 04	C/FFP	DAY & ZIMMERMAN, PARSONS, KS	MAR 06	SEP 07	YES	
FY 2007	59,276	104.91	ARDEC, PICATINNY, NJ	SEP 04	C/FFP	DAY & ZIMMERMAN, PARSONS, KS	MAR 07	SEP 08	YES	
LIFTING PLUGS										
FY 2005	26,974	6.82	ARDEC, PICATINNY, NJ	SEP 04	C/FFP	MEDICO IND, WILKES-BARRE, PA	MAR 05	SEP 06	YES	
FY 2006	50,716	5.81	ARDEC, PICATINNY, NJ	SEP 04	C/FFP	MEDICO IND, WILKES-BARRE, PA	MAR 06	SEP 07	YES	
FY 2007	60,585	6.14	ARDEC, PICATINNY, NJ	SEP 04	C/FFP	MEDICO IND, WILKES-BARRE, PA	MAR 07	SEP 08	YES	
PROJ M795 MPTS										
FY 2005	26,974	203.49	ARDEC, PICATINNY, NJ	SEP 04	C/FFP	CHAMBERLAIN MFG, SCRANTON, PA	MAR 05	SEP 06	YES	
FY 2006	50,716	173.43	ARDEC, PICATINNY, NJ	SEP 04	C/FFP	CHAMBERLAIN MFG, SCRANTON, PA	MAR 06	SEP 07	YES	
FY 2007	60,585	183.18	ARDEC, PICATINNY, NJ	SEP 04	C/FFP	CHAMBERLAIN MFG, SCRANTON, PA	MAR 07	SEP 08	YES	
SUPPLEMENTAL CHARGES										
FY 2005	26,974	4.86	ARDEC, PICATINNY, NJ	SEP 04	C/FFP	MCALESTER AAP, MCALESTER, OK	MAR 05	SEP 06	YES	
FY 2006	44,715	4.14	ARDEC, PICATINNY, NJ	SEP 04	C/FFP	MCALESTER AAP, MCALESTER, OK	MAR 06	SEP 07	YES	
FY 2007	60,585	4.37	ARDEC, PICATINNY, NJ	SEP 04	C/FFP	MCALESTER AAP, MCALESTER, OK	MAR 07	SEP 08	YES	
TNT TYPE I GRADE A(LB)										
FY 2005	652,938	2.93	ARDEC, PICATINNY, NJ	SEP 04	SS/FP	MCALESTER AAP, MCALESTER, OK	MAR 05	SEP 06	YES	
FY 2006	754,161	2.50	ARDEC, PICATINNY, NJ	SEP 04	SS/FP	MCALESTER AAP, MCALESTER, OK	MAR 06	SEP 07	YES	
FY 2007	1,466,536	2.64	ARDEC, PICATINNY, NJ	SEP 04	SS/FP	MCALESTER AAP, MCALESTER, OK	MAR 07	SEP 08	YES	
WOODEN PALLETS										
FY 2005	3,174	47.57	ARDEC, PICATINNY, NJ	SEP 04	C/FFP	KNOX COUNTY ASSOCIATION	MAR 05	SEP 06	YES	
FY 2006	4,000	40.52	ARDEC, PICATINNY, NJ	SEP 04	C/FFP	KNOX COUNTY ASSOCIATION	MAR 06	SEP 07	YES	
FY 2007	7,129	42.78	ARDEC, PICATINNY, NJ	SEP 04	C/FFP	KNOX COUNTY ASSOCIATION	MAR 07	SEP 08	YES	

Exhibit P-5a, Procurement History and Planning Continued					Weapon System			Date: FEBRUARY 2006		
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				P-1 Line Item Nomenclature: (147300) ARTILLERY, ALL TYPES						
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method and Type	Contractor and Location	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
D544, PROJ, 155MM, M107, HE LOAD, ASSEMBLE & PACK (LAP)										
FY 2005	55,936	73.33	JMC, ROCK ISLAND, IL	OCT 04	SS/OP	AMERICAN ORDNANCE, MIDDLETON, IA	SEP 05	JUN 06	YES	
FY 2006	44,112	91.84	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	AMERICAN ORDNANCE, MIDDLETON, IA	DEC 05	SEP 07	YES	
*COMP B TYPE I GRADE A(LB)										
FY 2005	1,274,223	N/A	JMC, ROCK ISLAND, IL	UNKNOWN	N/A	STOCK ISSUE	SEP 05	JUN 06	YES	
FY 2006	1,004,872	N/A	JMC, ROCK ISLAND, IL	UNKNOWN	N/A	STOCK ISSUE	DEC 05	SEP 07	YES	
GROMMET(EA)										
FY 2005	57,615	1.72	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	LC INDUSTRIES HAZELHURST,	FEB 05	OCT 05	NO	
FY 2006	45,436	1.88	JMC, ROCK ISLAND, IL	AUG 04	SS/FP	LC INDUSTRIES HAZELHURST,	JAN 06	NOV 06	YES	
*PLUG, SHOCK ATTENUATING										
FY 2005	57,335	8.09	JMC, ROCK ISLAND, IL	UNKNOWN	C/FP	CORONET MACHINERY CORP, YON	DEC 04	APR 06	NO	
FY 2006	45,215	8.23	JMC, ROCK ISLAND, IL	UNKNOWN	C/FP	TBD	MAR 06	NOV 06	YES	
PROJ M107 MPTS										
FY 2005	57,055	138.85	JMC, ROCK ISLAND, IL	OCT 04	CM-2/FP	CHAMBERLAIN MFG, SCRANTON, PA	FEB 05	MAY 06	NO	
FY 2006	44,995	143.21	JMC, ROCK ISLAND, IL	OCT 04	CM-3/FP	CHAMBERLAIN MFG, SCRANTON, PA	MAR 06	DEC 06	YES	
*SUPPLEMENTAL CHARGE										
FY 2005	57,055	10.45	JMC, ROCK ISLAND, IL	UNKNOWN	SS/FP	DAY & ZIMMERMAN, PARSONS, KS	FEB 05	OCT 05	NO	
FY 2006	44,995	11.30	JMC, ROCK ISLAND, IL	UNKNOWN	SS/FP	DAY & ZIMMERMAN, PARSONS, KS	APR 06	DEC 06	YES	
D550, PROJ, 155MM, M110A2, SMOKE WP LOAD, ASSEMBLE & PACK (LAP)										
FY 2006	5,653	342.15	JMC, ROCK ISLAND, IL	UNKNOWN	SS/FP	PINE BLUFF ARSENAL, PINE B	MAR 06	JUL 07	YES	
FY 2007	5,531	263.8	JMC, ROCK ISLAND, IL	UNKNOWN	SS/FP	PINE BLUFF ARSENAL, PINE B	MAR 07	JUL 08	YES	
*UNIVERSAL LIFTING PLUG										
FY 2007	5,697	N/A	JMC, ROCK ISLAND, IL	UNKNOWN	N/A	STOCK ISSUE	MAR 07	JUL 08	NO	
CASING BSTR(EA)										
FY 2006	5,767	65.76	JMC, ROCK ISLAND, IL	UNKNOWN	C/OP	CHAMBERLAIN MFG, SCRANTON, PA	MAR 06	MAY 07	YES	
FY 2007	5,642	68.29	JMC, ROCK ISLAND, IL	UNKNOWN	C/OP	CHAMBERLAIN MFG, SCRANTON, PA	MAR 07	MAY 08	YES	
CHG BSTR M54A1 ASSY(EA)										
FY 2006	5,823	97.94	JMC, ROCK ISLAND, IL	UNKNOWN	C/OP	DAY & ZIMMERMAN, PARSONS, KS	APR 06	MAY 07	YES	
FY 2007	5,697	101.70	JMC, ROCK ISLAND, IL	UNKNOWN	C/OP	DAY & ZIMMERMAN, PARSONS, KS	APR 07	MAY 08	YES	
CYCLOTOL 75/25 TYPE 1										
FY 2006	10,402	7.52	JMC, ROCK ISLAND, IL	UNKNOWN	C/FP	UNKNOWN	MAR 06	AUG 06	YES	
FY 2007	10,178	7.73	JMC, ROCK ISLAND, IL	UNKNOWN	C/FP	UNKNOWN	MAR 07	AUG 07	YES	
GROMMET (EA)										
FY 2006	5,823	1.88	JMC, ROCK ISLAND, IL	UNKNOWN	C/FP	UNKNOWN	MAR 06	NOV 06	YES	
FY 2007	5,697	1.84	JMC, ROCK ISLAND, IL	UNKNOWN	C/FP	UNKNOWN	MAR 07	NOV 07	YES	
PLUG, SHOCK ATTENUATING										
FY 2006	5,767	8.23	JMC, ROCK ISLAND, IL	UNKNOWN	C/FP	UNKNOWN	MAR 06	JAN 07	YES	

Exhibit P-5a, Procurement History and Planning Continued					Weapon System			Date: FEBRUARY 2006		
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				P-1 Line Item Nomenclature: (147300) ARTILLERY, ALL TYPES						
	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method and Type	Contractor and Location	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
WBS COST ELEMENTS										
PROJ 155MM WP M110A2 MPTS(EA)										
FY 2006	5,767	307.93	JMC, ROCK ISLAND, IL	UNKNOWN	C/OP	CHAMBERLAIN MFG, SCRANTON, PA	MAR 06	MAY 07	YES	
FY 2007	5,642	319.75	JMC, ROCK ISLAND, IL	UNKNOWN	C/OP	SCRANTON AAP, SCRANTON, PA	MAR 07	MAY 08	YES	
*TNT TYPE I FLAKE (LB)										
FY 2006	1,209	2.17	JMC, ROCK ISLAND, IL	UNKNOWN	C/FP	TBD	MAR 06	AUG 06	YES	
FY 2007	1,182	2.39	JMC, ROCK ISLAND, IL	UNKNOWN	C/FP	TBD	MAR 07	AUG 07	YES	
DA12, CHG, 155MM, M231, MOD ARTY CHG SYS										
LOAD, ASSEMBLE & PACK (LAP)										
FY 2005	232,000	14.48	ARDEC, PICATINNY, NJ	OCT 04	SS/OP	AMERICAN ORDNANCE, MIDDLETON, IA	FEB 05	APR 06	YES	
FY 2006	66,000	15.18	ARDEC, PICATINNY, NJ	OCT 05	SS/OP	AMERICAN ORDNANCE, MIDDLETON, IA	FEB 06	MAR 08	YES	
COMBUSTIBLE CASE SETS										
FY 2005	239,000	25.43	ARDEC, PICATINNY, NJ	OCT 04	CM-3/FP	ARMTEC, COACHELLA, CA	FEB 05	MAR 06	YES	
FY 2006	68,000	26.66	ARDEC, PICATINNY, NJ	OCT 05	CM-4/FP	ARMTEC, COACHELLA, CA	FEB 06	FEB 08	YES	
PROPELLANT, SINGLE BASE, M231										
FY 2005	812,000	4.00	ARDEC, PICATINNY, NJ	OCT 04	SS/OP	ALLIANT TECHSYSTEMS, RADFORD, VA	FEB 05	MAR 06	YES	
FY 2006	231,000	4.68	ARDEC, PICATINNY, NJ	OCT 05	SS/FP	TBD	FEB 06	FEB 08	YES	
IGNITION SYSTEM PROPELLANT										
FY 2005	15,000	6.45	ARDEC, PICATINNY, NJ	OCT 04	C/FP	TBD	SEP 05	MAR 06	YES	
FY 2006	4,000	6.76	ARDEC, PICATINNY, NJ	OCT 05	C/OPTION	PRIMEX, ST MARKS, FL	FEB 06	FEB 08	YES	
LAP CONTAINERS										
FY 2005	58,000	37.76	ARDEC, PICATINNY, NJ	OCT 04	C/OPTION	CONCO, LOUISVILLE, KY	MAY 05	MAR 06	YES	
FY 2006	17,000	45.08	ARDEC, PICATINNY, NJ	OCT 05	C/OPTION	CONCO, LOUISVILLE, KY	APR 06	FEB 08	YES	
DA13, CHG, 155MM, M232, MOD ARTY CHG SYS										
LOAD, ASSEMBLE & PACK (LAP)										
FY 2005	148,000	19.90	ARDEC, PICATINNY, NJ	OCT 04	SS/OP	AMERICAN ORDNANCE, MIDDLETON, IA	FEB 05	FEB 07	YES	
FY 2006	43,000	19.92	ARDEC, PICATINNY, NJ	OCT 05	SS/OP	AMERICAN ORDNANCE, MIDDLETON, IA	FEB 06	DEC 08	YES	
COMBUSTIBLE CASE SETS										
FY 2005	152,000	25.00	ARDEC, PICATINNY, NJ	OCT 04	CM-3/FP	ARMTEC, COACHELLA, CA	FEB 05	MAR 07	YES	
FY 2006	44,000	26.21	ARDEC, PICATINNY, NJ	OCT 05	CM-4/FP	ARMTEC, COACHELLA, CA	FEB 06	FEB 08	YES	
PROPELLANT (M232 TRIPLE BASE)										
FY 2005	740,000	10.00	ARDEC, PICATINNY, NJ	OCT 04	SS/OP	CANADIAN COMMERCIAL CORP, OTTAWA, CANADA	FEB 05	MAR 07	YES	
FY 2006	215,000	10.48	ARDEC, PICATINNY, NJ	OCT 05	SS/FP	TBD	FEB 06	FEB 08	YES	
IGNITION SYSTEM/SPHERIODAL PROPELLANT										
FY 2005	9,000	6.00	ARDEC, PICATINNY, NJ	OCT 04	C/FP	PRIMEX, ST MARKS, FL	SEP 05	MAR 07	YES	
FY 2006	3,000	6.29	ARDEC, PICATINNY, NJ	OCT 05	C/OPTION	PRIMEX, ST MARKS, FL	FEB 06	FEB 08	YES	
LAP CONTAINERS										
FY 2005	30,000	40.00	ARDEC, PICATINNY, NJ	OCT 04	C/OPTION	CONCO, LOUISVILLE, KY	MAY 05	MAR 07	YES	
FY 2006	9,000	41.93	ARDEC, PICATINNY, NJ	OCT 05	C/OPTION	CONCO, LOUISVILLE, KY	APR 06	FEB 08	YES	



Exhibit P-21, Production Schedule, Continued														Date: FEBRUARY 2006																	
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition														Weapon System		P-1 Line Item Nomenclature: (147300) DODIC: D505, PROJ, 155MM, M485A2, ILLUM															
				PRODUCTION RATE					PROCUREMENT LEADTIMES																						
Item	Manufacturer's Name and Location			MSR	ECON	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure																			
D505	1 PINE BLUFF ARSENAL, PINE BLUFF, AR			6	18	24	6	2	23	23	25	K																			
Fiscal Year				2009					Fiscal Year				2010																		
				Calendar Year					2009					Calendar Year				2010													
Item	F Y	S V C	Q T Y	D E L	B A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	
D505	2007	MC2	5	0	5		3.9	1.1																						0	
Fiscal Year				2011					Fiscal Year				2012																		
				Calendar Year					2011					Calendar Year				2012													
Item	F Y	S V C	Q T Y	D E L	B A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	
D505	2007	MC2	5	5	0																									0	
REMARKS: THIS DOES NOT REFLECT THE ARMY'S BUYS WHICH MAKE UP THE CONTRACTOR'S 1-8-5 PRODUCTION RATES.																															













Exhibit P-40, Budget Item Justification								Date: FEBRUARY 2006			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition					P-1 Item Nomenclature: (147500) EXPEDITIONARY FIGHTING VEHICLE						
Program Element for Code B Items:				Other Related Program Elements							
	ID Code	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011		To Complete	Total Program
Proc Qty											
Gross Cost	A	2.462	5.662	9.529	29.137	26.490	15.769	16.147			105.196
<p>Description: DODIC AA65 (Formerly DODIC "B001"), the Target Practice - Tracer (TP-T) provides a low cost round to train and sustain Expeditionary Fighting Vehicle (EFV) crews in perishable gunnery skills. The TP-T round has an inert full-bore projectile which allows it to be fired at ranges and facilities without the concern of unexploded ordnance associated with High Explosive ammunition, nor the distance of flight issues associated with Armor Piercing Fin Stabilized Discarding Sabot-Tracer round (APFSDS-T).</p> <p>DODIC AA89 (Formerly interim DODIC "B002"), The High Explosive - Tracer (HE-T) is the Expeditionary Fighting Vehicles (EFV's) main round. The HE is a full-bore hardened nose steel projectile filled with an explosive main charge with a mechanical base fuze. This round combines the strengths of a standard High Explosive round against the EFV's prime target (infantry) with the ability to penetrate soft to medium armor targets like light armored vehicles and fortified emplacements which are too "soft" for the Armor Piercing Fin Stabilized Discarding Sabot - Tracer (APFSDS-T) round or where an explosive effect is required. When fired against soft targets, the HE produces many, relatively small fragments producing lethality levels equal to a standard 30mm high explosive round. The combination of the hardened nose and a base fuze functioning with a slight delay, allows the HE to penetrate inside hardened targets.</p> <p>DODIC B003 (Interim DODIC): The kinetic energy Armor Piercing Fin Stabilized Discarding Sabot - Tracer (APFSDS-T) round will be utilized by the Expeditionary Fighting Vehicle (EFV) to defeat extremely "hard" targets such as infantry fighting vehicles. The APFSDS-T round utilizes a long rod type of penetrator, which provides a highly effective means of deep penetration into materials such as metals (steel, RHA, etc.), concrete, ceramic, and other highly resistant target materials. Unlike most APFSDS-T rods which are made of Depleted Uranium (DU), these rods are fabricated from a hardened tungsten alloy, a high density "heavy metal" which produces significant penetration capabilities without the associated concerns of DU.</p>											

Exhibit P-40a, Budget Item Justification for Aggregated Items									Date: FEBRUARY 2006		
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition					P-1 Item Nomenclature: (147500) EXPEDITIONARY FIGHTING VEHICLE						
	ID Code	FY2005	FY2006	FY2007						To Complete	Total
AA89, CTG, 30MM HE-T	A	0.922	0.102	3.489							4.513
QTY		10,317	1,121	37,645							49,083
B003, CTG, 30MM APFSDS-T	A	0.243	0.161	2.383							2.787
QTY		1,165	758	11,020							12,943

Exhibit P-5, Cost Analysis			Weapon System			Date: FEBRUARY 2006						
Appropriation Code/Budget Activity/Serial Number:			ID Code:	P-1 Line Item Nomenclature:								
Procurement of Ammunition, Navy and Marine Corps/2/Ammunition			A	(147500) EXPEDITIONARY FIGHTING VEHICLE								
	FY05			FY06			FY07					
	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
WBS COST ELEMENTS												
HARDWARE												
AA65, CTG, 30MM TP-T												
COMPLETE ROUND	1.297	43,494	29.82	5.399	178,126	30.31	3.657	118,387	30.89			
TOTAL	1.297			5.399			3.657					

[illegible]





Exhibit P-40, Budget Item Justification								Date: FEBRUARY 2006			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition					P-1 Item Nomenclature: (150000) DEMOLITION MUNITIONS, ALL TYPES						
Program Element for Code B Items:				Other Related Program Elements							
	ID Code	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011		To Complete	Total Program
Proc Qty											
Gross Cost	A	15.120	5.822	8.282	0.034	21.321	0.097	19.135			69.811
<p>Description: The Combat Breacher Vehicle (CBV) is a full tracked armored combat engineer vehicle specifically designed for conducting in-stride and deliberate breaching of minefields and complex obstacles.</p> <p>The Charge, Demolition Block M112 1-1/4 pound C-4 (DODIC M023) is a general-purpose demolition. It is suitable for underwater use and is particularly effective against steel, concrete, and timber. The charge may be detonated by electric blasting caps, non-electric blasting caps, or detonating cord. Composition C-4 is more powerful than TNT.</p> <p>The Charge, Demolition Block Trinitrotoluene (TNT) 1-Pound (DODIC M032) is used for general demolition purposes and is primarily effective as a cutting or breaching charge, except for special steel-cutting charges.</p> <p>The Charge, Demolition Cratering 40-Pound (DODIC M039) is an alternate to the standard ammonium nitrate cratering charge for the destruction of buildings, structures, and fortifications. The charge is composed of approximately 40-pound of H-6 explosive and a .43-pound A-5 composition booster. H 6 explosive is a highly brisant explosive derived from the HBX family. A semicircular handle is also located on the top of the container for handling the charge or for attaching a line when lowering the charge in a hole.</p> <p>The Cap, Blasting Electric M6 (DODIC M130) is used for initiating high explosives with a blasting machine or other suitable source of electric power. It is capable of detonating all standard military explosives.</p> <p>The Cap, Blasting Non-Electric M7 (DODIC M131) is used to detonate high explosives and is initiated by time-blasting fuse. The M7 Blasting Cap consists of an aluminum alloy tube containing a base charge of RDX or PETN, a priming charge, and an ignition charge.</p> <p>The Charge, Demolition Shaped M3 Series 40-Pound (DODIC M421) is used for penetrating metal, concrete, earth or other materials. This charge consists of approximately 30 lbs. of 50/50 pentolite or 28.3 lbs. of Composition B with a 1.7 lbs. 50/50-pentolite booster. The explosive charge is enclosed in a sheet steel container with a metal cavity liner and a detachable standoff frame assembly. The standoff frame assembly has three legs and is about 15 inches tall.</p> <p>The Cord, Detonating, PETN Type I Class E (DODIC M456) is used to prime and detonate single or multiple explosive charges simultaneously. Detonating cord alone functions as an explosive charge. It is particularly useful for initiating charges placed in wet boreholes or underwater.</p> <p>The Container, Demolition Charge MK7 Mod 1 (DODIC M477) is used as a form or mold in which plastic explosive can be pressed into a linear charge. The container consists of a mild steel body approximately 6.00 inches long and .22 inches wide. The container has a V-shaped cavity to mold the explosive linear charge. The charge is designed to snap together with other MK7 Mod 1 containers to form a charge of the required length.</p>											

Exhibit P-40, Budget Item Justification, Continued							Date: FEBRUARY 2006				
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				P-1 Item Nomenclature: (150000) DEMOLITION MUNITIONS, ALL TYPES							
Program Element for Code B Items:				Other Related Program Elements							
	ID Code	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Program	
Proc Qty											
Gross Cost	A	15.120	5.822	8.282	0.034	21.321	0.097	19.135		69.811	
<p>The Fuse, Blasting Time M700 (DODIC M670) consists of a black powder core encased in a dark green fiber wrapping that is covered with a waterproof plastic cover. It is marked with a single yellow band at 1-foot or 18-inch intervals and double yellow bands at 5-foot or 90-inch intervals. These markings are used to estimate the approximate lengths of fuse required for tactical situations.</p> <p>The Charge, Assembly Demolition M183 Comp C-4 (DODIC M757) is used by assault demolition teams in general demolition operations such as reduction of small obstacles, cutting, breaching, and cratering. The M183 Charge Assembly consists of 16 M112 Demolition Blocks and 4 M15 Priming Assemblies. Each M112 block is composed of 1-1/4 pounds of Composition C-4. The M15 Priming Assembly is a 5-foot length of detonating cord with two plastic M1 Clips and 2 RDX boosters attached. The boosters, which are about 3/4" in diameter and 2-inches in length contain approximately 13.5 grains of RDX.</p> <p>The Firing Device, Demolition Multi-Purpose M142 (DODIC ML03) is intended for use with antipersonnel mines and when setting up booby-traps using demolition charges. The device provides a simple means of mechanical initiation of booby-trap by pressure, pull, pressure release, or tension release. The basic component of the device is a mechanical switch designed for actuation by pressure, pull, pressure release, or tension release.</p> <p>The Cutter, High Explosive MK24 Mod 0 (DODIC ML05) is used for cutting or disrupting techniques against ordnance items. The charge consists of a plastic case, stand, and a metal sight. The main charge is 70/30 octol. The charge can be set up for electrical or non-electrical initiation using standard blasting caps.</p> <p>The Charge, Demolition Flexible 20 Gram Pentaerythritol Tetranitrate (PETN) MK140 Mod 0 (DODIC MM30) is intended to be used as an individual charge, or can be used as a booster for other charges. The charge can be used in all applications where demolitions are required.</p> <p>The Charge, Demolition Flexible Linear Shaped 30 Grains Per Foot (DODIC MM41) is designed for fast and reliable cutting of materials. The DODIC MM41 will cut steel up to 0.06-inches thick or aluminum up to 0.11-inches thick. MM41 is a continuous explosive core of CH-6 enclosed in a seamless lead sheath. The charge is shaped in the form of an inverted "V" to concentrate an explosive force in a linear cutting action.</p> <p>The Charge, Demolition Flexible Linear Shaped 40 Grains Per Foot (DODIC MM42) is designed for fast and reliable cutting of materials. The DODIC MM42 will cut steel up to 0.05 inches thick, or aluminum up to 0.14 inches thick. MM42 is a continuous explosive core of CH-6 enclosed in a seamless lead sheath. The charge is shaped in the form of an inverted "V" to concentrate an explosive force in a linear cutting action.</p> <p>The Charge, Demolition Flexible Linear Shaped 60 Grains Per Foot (DODIC MM43) is designed for fast and reliable cutting of materials. The DODIC MM43 will cut steel up to 0.10-inches thick, or aluminum up to 0.16-inches thick. The DODIC MM43 is a continuous explosive core of CH-6 enclosed in a seamless lead sheath. The charge is shaped in the form of an inverted "V" to concentrate an explosive force in a linear cutting action.</p>											

Exhibit P-40, Budget Item Justification, Continued								Date: FEBRUARY 2006			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition					P-1 Item Nomenclature: (150000) DEMOLITION MUNITIONS, ALL TYPES						
Program Element for Code B Items:				Other Related Program Elements							
	ID Code	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011		To Complete	Total Program
Proc Qty											
Gross Cost	A	15.120	5.822	8.282	0.034	21.321	0.097	19.135			69.811
<p>The Charge, Demolition Flexible Linear Shaped 125 Grains Per Foot (DODIC MM45) is designed for fast and reliable cutting of materials. The DODIC MM45 will cut steel up to 0.13-inches thick, or aluminum up to 0.21-inches thick. The charge is shaped in the form of an inverted "V" to concentrate an explosive force in a linear cutting action. The charge contains 125 grains per foot of CH-6. The lead sheathing is blue/gray in color and is 6-feet long.</p> <p>The Charge, Demolition Flexible Linear Shaped 225 Grains Per Foot (DODIC MM46) is designed for fast and reliable cutting of materials. The DODIC MM46 will cut steel up to 0.18-inches thick, or aluminum up to 0.31-inches thick. MM46 is a continuous explosive core of CH-6 enclosed in a seamless lead sheath. The charge is shaped in the form of an inverted "V" to concentrate an explosive force in a linear cutting action.</p> <p>The Charge, Demolition Flexible Linear Shaped 400 Grains Per Foot (DODIC MM47) is designed for fast and reliable cutting of materials. The DODIC MM47 will cut steel up to 0.20-inches thick or aluminum up to 0.41-inches thick. MM47 is a continuous explosive core of CH-6 enclosed in a seamless lead sheath. The charge is shaped in the form of an inverted "V" to concentrate an explosive force in a linear cutting action.</p> <p>The Charge, Demolition Low Hazard MK143 Mod 0 600 Grains Per Foot (DODIC MM51) is a continuous explosive core of plastic bonded explosive with a flexible copper-polymer liner. The charge is encased in lightweight olive drab polyethylene foam. The underside of the charge has an adhesive backed tape that adheres to most dry surfaces. This charge contains 600 grains per foot of a commercial plastic bonded explosive.</p> <p>The Charge, Demolition Low Hazard Mk145 Mod 0 2400 Grains Per Foot (DODIC MM53) is a continuous explosive core of plastic-bonded explosive with a flexible copper-polymer liner. The charge is encased in lightweight olive drab polyethylene foam. The underside of the charge has an adhesive backed tape that adheres to most dry surfaces. This charge contains 2400 grains per foot of a commercial plastic bonded explosive.</p> <p>The Detonator, Non-Electric MK123 Mod 0 (DODIC MM56) is used in place of the M7 Non-Electric Blasting Cap or the M6 Electric Blasting Cap. It is used where a non-electric waterproof application is desired. The system consists of a dual non-fragmenting 100-foot, co-extruded, olive drab, plastic polyethylene pyrotechnic lead (shock tube) containing less than 0.1 grains per foot of HMX with two factory crimped M7 Detonators.</p> <p>The Canine Explosive Scent Kit (DODIC MN01) is composed of different samples of common explosives used to train dogs to detect explosives. The samples are packaged in individual containers. The types of explosives can vary based on the type of training being conducted. These samples may be of dynamite, time-safety fuze, C4, TNT, detonating cord, smokeless powder, and water gel explosive.</p>											

Exhibit P-40, Budget Item Justification, Continued								Date: FEBRUARY 2006															
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition						P-1 Item Nomenclature: (150000) DEMOLITION MUNITIONS, ALL TYPES																	
Program Element for Code B Items:					Other Related Program Elements																		
	ID Code	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011		To Complete	Total Program												
Proc Qty																							
Gross Cost	A	15.120	5.822	8.282	0.034	21.321	0.097	19.135			69.811												
<p>The M81 with Shock Tube Capability (DODIC MN08) is a small plastic tube with a pull ring on a thin rod projecteing from one end, a safety (cotter) pin that goes laterally through the tube and a screw cap that secures a holding mechanism for the fuze or shock tube on the other end.</p> <p>The Firing Device, Handheld (Inert) MK 54 MOD 0 (DODIC MN14) consists of two stainless steel cylindrical assemblies connected by a trigger mechanism. A secondary safety pin is inserted through the assemblies. The firing ends of the assemblies are internally threaded to receive the applicable pyrotechnic lead initiator. Each assembly contains a spring-loaded firing pin that can be recocked by the sear lever on the trigger mechanism. The MK 54 MOD 0 is used to initiate the MK23, MK24 and MK25 MODS pyrotechnic lead initiators.</p> <p>The Detonator, Non-Electric MK154 (DODIC MN52) is used in place of the M7 Non-Electric Blasting Cap or the M6 Electric Blasting Cap. It is used where a non-electric waterproof application is desired. The system consists of a dual non-fragmenting 100-foot, co-extruded, olive drab, plastic polyethylene pyrotechnic lead (shock tube) containing less than 0.1 grains per foot of HMX with two factory crimped M7 Detonators.</p> <p>Funding changes are based on changes in the Total Munitions Requirement, the unit price of the rounds, production issues, MCCDC priorities, changes in starting inventory, the top level funding provided and programmatic issues for over 300 items across the FYDP. Each of these variables change at least once a year and result in fluctuations in the budget.</p> <p>FY06 funding includes \$3.5M in Title IX funds.</p>																							
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">DODIC / Description</td> <td style="width: 10%;">FY05 Supplemental Dollars Received</td> </tr> <tr> <td>Det Cord, M456</td> <td style="text-align: right;">1.425</td> </tr> <tr> <td>M670, Time Fuse</td> <td style="text-align: right;">1.240</td> </tr> <tr> <td>M131, Blasting Cap</td> <td style="text-align: right;">3.019</td> </tr> <tr> <td>MN08, Igniter</td> <td style="text-align: right;">3.479</td> </tr> <tr> <td>Total Demolition Munitions, All Types</td> <td style="text-align: right;">9.163</td> </tr> </table>												DODIC / Description	FY05 Supplemental Dollars Received	Det Cord, M456	1.425	M670, Time Fuse	1.240	M131, Blasting Cap	3.019	MN08, Igniter	3.479	Total Demolition Munitions, All Types	9.163
DODIC / Description	FY05 Supplemental Dollars Received																						
Det Cord, M456	1.425																						
M670, Time Fuse	1.240																						
M131, Blasting Cap	3.019																						
MN08, Igniter	3.479																						
Total Demolition Munitions, All Types	9.163																						

Exhibit P-40a, Budget Item Justification for Aggregated Items										Date:	
										FEBRUARY 2006	
Appropriation Code/Budget Activity/Serial Number:				P-1 Item Nomenclature:							
Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				(150000) DEMOLITION MUNITIONS, ALL TYPES							
	ID Code	FY2005	FY2006	FY2007						To Complete	Total
CBV1, COMBAT BREACHER VEHICLE	A	0.009	0.000	0.000							
QTY		0	0	0							
M477, EOD DEVICE, MK 7 MOD 1	A	0.000	0.002	0.000							
QTY		0	142	0							
ML05, CUTTER POWDER ACTUATED MK24	A	0.000	0.077	0.000							
QTY		0	148	0							
MM30, CHARGE, FLEXIBLE 20 GRAM	A	0.000	0.000	0.010							
QTY		0	0	3,875							
MM41, CHARGE, DEMO FLSC 30 GR/FT	A	0.000	0.012	0.012							
QTY		0	250	250							
MM42, CHARGE, DEMO FLSC 40 GR/FT	A	0.000	0.027	0.036							
QTY		0	643	856							
MM43, CHARGE, DEMO FLSC 60 GR/FT	A	0.000	0.009	0.000							
QTY		0	221	0							
MM45, CHARGE, DEMO FLSC 125 GR/FT	A	0.000	0.000	0.325							
QTY		0	0	7,010							
MM46, CHARGE, DEMO FLSC 225 GR/FT	A	0.000	0.000	0.058							
QTY		0	0	732							
MM47, CHARGE, DEMO FLSC 400 GR/FT	A	0.000	0.052	0.283							
QTY		0	1,029	5,441							
Subtotal		0.009	0.179	0.724							

Exhibit P-40a, Budget Item Justification for Aggregated Items									Date: FEBRUARY 2006		
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				P-1 Item Nomenclature: (150000) DEMOLITION MUNITIONS, ALL TYPES							
	ID Code	FY2005	FY2006	FY2007						To Complete	Total
MM51, CHARGE, DEMO FLSC 600 GR/FT	A	0.000	0.017	0.130							
QTY		0	631	4,786							
MM53, CHARGE, DEMO FLSC 2400 GR/FT	A	0.000	0.000	0.007							
QTY		0	0	188							
MM56, DET, PERCUSSION 175MS DELAY	A	0.000	0.460	0.791							
QTY		0	5,000	8,347							
MN01, CANINE SCENT KIT	A	0.000	0.000	0.034							
QTY		0	0	42							
MN14, DUAL FIRING DEVICE MK54	A	0.000	0.004	0.006							
QTY		0	10	16							
MN52, DETONATOR, NON-ELECTRIC MK154	A	1.000	0.000	0.000							
QTY		9,618	0	0							

Exhibit P-5, Cost Analysis				Weapon System			Date: FEBRUARY 2006					
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				ID Code: A	P-1 Line (150000)	Item Nomenclature: DEMOLITION MUNITIONS, ALL TYPES						
WBS COST ELEMENTS	FY05			FY06			FY07			Total Cost	Qty	Unit Cost
	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost			
HARDWARE												
M023, CHARGE, DEMO BLOCK 1 1/4LB C-4												
LOAD, ASSEMBLE & PACK (LAP)							0.238	24,668	9.68			
COMP C-4 CLASS 3(LB)							0.272	32,562	8.35			
M032, CHARGE, DEMO BLOCK 1 LB TNT												
LOAD, ASSEMBLE & PACK (LAP)	0.566	81,456	6.95	0.583	61,516	9.49						
*TNT TYPE I FLAKE (LB)	0.132	59,400	2.22	0.137	62,993	2.17						
TNT TYPE I FLAKE (LB)	0.053	24,011	2.22									
M039, CHARGE, DEMO 40 LB CRATERING												
LOAD, ASSEMBLE & PACK (LAP)							0.163	652	250.10			
*COMP D-2 (LB)							0.011	1,304	8.22			
*COMP A-5 CLASS 1 (LB)							0.002	333	5.46			
*COMP B TYPE I GRADE A (LB)							0.050	18,908	2.67			
ALUMINUM POWDER (LB)							0.007	5,216	1.26			
TNT TYPE I FLAKE (LB)							0.019	7,824	2.39			
M130, CAP, BLASTING ELECTRIC												
COMPLETE ROUND												
M131, CAP, BLASTING NON-ELECTRIC*												
COMPLETE ROUND	4.626	1,242,360	3.72				0.253	54,239	4.67			
M421, CHARGE, DEMO SHAPED 40 LB												
LOAD, ASSEMBLE & PACK (LAP)							0.440	789	557.22			
*COMP B TYPE I GRADE A (LB)							0.065	24,495	2.67			
COMP A-3 (LB)							0.001	90	10.59			
TNT TYPE I FLAKE (LB)							0.024	9,798	2.39			
M456, CORD, DETONATING PETN*												
COMPLETE ROUND	1.411	4,256,000	0.33									
M670, FUZE, BLASTING TIME												
COMPLETE ROUND	0.903	3,924,000	0.23									
M757, CHARGE, ASSEMBLY DEMOLITION												
LOAD, ASSEMBLE & PACK (LAP)							2.588	6,837	378.50			
COMP C-4 CLASS 3(LB)							1.206	144,398	8.35			
*UNIT COST PROVIDED BY ARMY ROUNDED TO NEAREST TWO DIGITS												
SUB TOTAL	7.691			0.720			5.339					



Exhibit P-5a, Procurement History and Planning					Weapon System			Date: FEBRUARY 2006		
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				P-1 Line Item Nomenclature: (150000) DEMOLITION MUNITIONS, ALL TYPES						
	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method and Type	Contractor and Location	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
WBS COST ELEMENTS										
M023, CHARGE, DEMO BLOCK 1 1/4LB C-4										
LOAD, ASSEMBLE & PACK (LAP)										
FY 2007	24,668	9.68	JMC, ROCK ISLAND, IL	UNKNOWN	C/FFP	AMERICAN ORDNANCE, MILAN, TN	JUN 07	JUN 08	NO	
COMP C-4 CLASS 3(LB)										
FY 2007	32,562	8.35	JMC, ROCK ISLAND, IL	UNKNOWN	C/FFP	BAE HOLSTON AAP, KINGSPORT, TN	JUN 07	JUN 08	NO	
M032, CHARGE, DEMO BLOCK 1 LB TNT										
LOAD, ASSEMBLE & PACK (LAP)										
FY 2005	81,456	6.95	JMC, ROCK ISLAND, IL	UNKNOWN	C/FP	AMTECH CORP JANESVILLE, WI	FEB 05	MAY 05	YES	
FY 2006	61,516	9.49	JMC, ROCK ISLAND, IL	UNKNOWN	C/FP	UNKNOWN	MAR 06	JAN 07	YES	
*TNT TYPE I FLAKE (LB)										
FY 2005	59,400	2.22	JMC, ROCK ISLAND, IL	UNKNOWN	C/OPTION	ALLIANT TECH, RADFORD, VA	MAR 05	APR 05	YES	
FY 2006	62,993	2.17	JMC, ROCK ISLAND, IL	UNKNOWN	C/OPTION	ALLIANT TECH, RADFORD, VA	JUL 06	NOV 06	YES	
TNT TYPE I FLAKE (LB)										
FY 2005	24,011	N/A	JMC, ROCK ISLAND, IL	UNKNOWN	N/A	STOCK ISSUE	FEB 05	MAY 05	YES	
M039, CHARGE, DEMO 40 LB CRATERING										
LOAD, ASSEMBLE & PACK (LAP)										
FY 2007	652	250.10	JMC, ROCK ISLAND, IL	UNKNOWN	SS/FP	AMERICAN ORDNANCE, MIDDLETON, MO	DEC 06	DEC 07	YES	
*COMP D-2 (LB)										
FY 2007	1,304	N/A	JMC, ROCK ISLAND, IL	UNKNOWN	N/A	STOCK ISSUE	DEC 06	DEC 07	YES	
*COMP A-5 CLASS 1 (LB)										
FY 2007	333	N/A	JMC, ROCK ISLAND, IL	UNKNOWN	N/A	STOCK ISSUE	DEC 06	DEC 07	YES	
*COMP B TYPE I GRADE A (LB)										
FY 2007	18,908	N/A	JMC, ROCK ISLAND, IL	UNKNOWN	N/A	STOCK ISSUE	DEC 06	DEC 07	YES	
ALUMINUM POWDER (LB)										
FY 2007	5,216	1.26	JMC, ROCK ISLAND, IL	UNKNOWN	C/FP	UNKNOWN	DEC 06	DEC 07	YES	
TNT TYPE I FLAKE (LB)										
FY 2007	7,824	2.39	JMC, ROCK ISLAND, IL	UNKNOWN	C/FP	UNKNOWN	DEC 06	DEC 07	YES	

Exhibit P-5a, Procurement History and Planning					Weapon System			Date: FEBRUARY 2006			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition					P-1 Line Item Nomenclature: (150000) DEMOLITION MUNITIONS, ALL TYPES						
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method and Type	Contractor and Location	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available	
M131, CAP, BLASTING NON-ELECTRIC COMPLETE ROUND											
FY 2005	1,242,360	3.72	JMC, ROCK ISLAND, IL	UNKNOWN	C/OPTION	TECHNICAL ORDNANCE, ST. BONIFACIUS, MN	DEC 04	NOV 06	YES		
FY 2007	54,239	4.67	JMC, ROCK ISLAND, IL	UNKNOWN	C/OPTION	TECHNICAL ORDNANCE, ST. BONIFACIUS, MN	MAR 07	JAN 08	YES		
M421, CHARGE, DEMO SHAPED 40 LB LOAD, ASSEMBLE & PACK (LAP)											
FY 2007	789	557.22	JMC, ROCK ISLAND, IL	UNKNOWN	C/FP	UNKNOWN	MAR 07	JAN 08	YES		
*COMP B TYPE I GRADE A (LB)											
FY 2007	24,495	N/A	JMC, ROCK ISLAND, IL	UNKNOWN	N/A	STOCK ISSUE	MAR 07	JAN 08	YES		
COMP A-3 (LB)											
FY 2007	90	10.59	JMC, ROCK ISLAND, IL	UNKNOWN	C/FP	UNKNOWN	MAR 07	JUL 07	YES		
TNT TYPE I FLAKE (LB)											
FY 2007	9,798	2.39	JMC, ROCK ISLAND, IL	UNKNOWN	C/FP	UNKNOWN	MAR 07	AUG 07	YES		
M456, CORD, DETONATING PETN COMPLETE ROUND											
FY 2005	4,256,000	0.33	JMC, ROCK ISLAND, IL	UNKNOWN	CM-2 FP	ENSIGN-BICKFORD, SIMSBURY, CT	DEC 04	JUL 06	YES		
M670, FUZE, BLASTING TIME COMPLETE ROUND											
FY 2005	3,924,000	0.23	JMC, ROCK ISLAND, IL	UNKNOWN	C/FP	ENSIGN-BICKFORD, SIMSBURY, CT	SEP 05	NOV 06	YES		
M757, CHARGE, ASSEMBLY DEMOLITION LOAD, ASSEMBLE & PACK (LAP)											
FY 2007	6,837	378.50	JMC, ROCK ISLAND, IL	UNKNOWN	SS/FP	CRANE AAA, CRANE, IN	MAR 07	MAR 08	YES		
COMP C-4 CLASS 3(LB)											
FY 2007	144,398	8.35	JMC, ROCK ISLAND, IL	UNKNOWN	SS/FP	BAE HOLSTON AAP, KINGSPORT, TN	MAR 07	AUG 07	YES		
ML03, FIRING DEV, DEMO MULTIPURPOSE COMPLETE ROUND											
FY 2006	10,683	15.90	ARDEC, PICATINNY, NJ	UNKNOWN	C/FP	UNKNOWN	JAN 06	JAN 07	YES		
MN08, IGNITER, TIME FUZE BLASTING LOAD, ASSEMBLE & PACK (LAP)											
FY 2005	970,686	5.36	ARDEC, PICATINNY, NJ	OCT 04	C/OPTION	MAST TECHNOLOGIES, LAKE CITY, KS	JUN 05	SEP 05	YES		
FY 2006	773,550	5.49	ARDEC, PICATINNY, NJ	OCT 04	C/OPTION	MAST TECHNOLOGIES, LAKE CITY, KS	JUN 06	DEC 06	YES		
FY 2007	102,304	5.60	ARDEC, PICATINNY, NJ	OCT 04	C/OPTION	MAST TECHNOLOGIES, LAKE CITY, KS	MAR 07	DEC 07	YES		





Exhibit P-40, Budget Item Justification								Date: FEBRUARY 2006			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition						P-1 Item Nomenclature: (162500) FUZES, ALL TYPES					
Program Element for Code B Items:				Other Related Program Elements							
	ID Code	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011		To Complete	Total Program
Proc Qty											
Gross Cost	A	15.568	3.599	0.565	2.314	5.044	0.000	0.000			27.090
Description:											
<p>The M782 Multi-Option Fuze for Artillery (MOFA) (DODIC NA09) is compatible with all current 155mm bursting type artillery projectiles and is fired from the M198 155mm Medium Towed Howitzer and the M777 Lightweight Towed Howitzer Weapon System. The MOFA is inductively set in either the Proximity, Electronic Time, Point detonating, or Delay mode. As a singular replacement for five different fuzes in the Marine Corps' inventory, the MOFA will reduce the logistical footprint and artillery ammunition handling requirements.</p> <p>Fuze Electronic Time (DODIC NA17) is used with projectiles carrying payloads that are expelled during projectile flight (airburst). This fuze is fired from the M198 155mm Medium Towed Howitzer and the M777 Lightweight Towed Howitzer Weapon System. It has the capability to be set inductively or manually.</p> <p>Funding changes are based on changes in the Total Munitions Requirement, the unit price of the rounds, production issues, MCCDC priorities, changes in starting inventory, the top level funding provided and programmatic issues for over 300 items across the FYDP. Each of these variables change at least once a year and result in fluctuations in the budget.</p>											
DODIC / Description		FY05 Supplemental Dollars Received									
NA17, ET Fuze		4.516									
Total Fuzes, All Types		4.516									

<b>Exhibit P-5, Cost Analysis</b>				<b>Weapon System</b>			<b>Date:</b> FEBRUARY 2006					
<b>Appropriation Code/Budget Activity/Serial Number:</b>				<b>ID Code:</b>	<b>P-1 Line Item Nomenclature:</b>							
Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				A	(162500) FUZES, ALL TYPES							
WBS COST ELEMENTS	FY05			FY06			FY07					
	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
HARDWARE												
NA09, MULTI OPTION FUZE FOR ARTILLERY, M782												
FUZE M782	9.608	45,000	213.50	1.890	9,000	210.01						
M2A1 AMMO CAN*	0.068	6,000	12.00	.012	1,000	12.00						
NA17, FUZE ELECTRONIC TIME M762A1												
FUZE ET M762A1	4.392	42,205	104.06	1.368	12,675	108.00	0.564	4,580	123.36			
PRODUCT												
ACCEPTANCE TESTING	1.150			0.179			0.001					
PRODUCTION ENGINEERING	0.384			0.145								
QUALITY ASSURANCE	0.034			0.017								
NON-RECURRING COSTS												
*GOVERNMENT FURNISHED MATERIAL	-0.068			-0.012								
TOTAL	15.568			3.599			0.565					

[illegible]



Exhibit P-40, Budget Item Justification							Date: FEBRUARY 2006				
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				P-1 Item Nomenclature: (162800) NON-LETHALS							
Program Element for Code B Items:				Other Related Program Elements							
	ID Code	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011		To Complete	Total Program
Proc Qty											
Gross Cost	A	1.140	1.112	4.030	4.174	5.731	0.000	0.000			16.187
<p>Description: The Cartridge, 12 Gauge Non-Lethal Bean Bag (DODIC AA29) is intended for use in crowd control situations where the use of non-lethal force is desired. This cartridge is used with the M500, M590, and M870 12 gauge auto-loading and pump action shotguns. The plastic sleeve contains a lead shot-filled fabric or nylon bag.</p> <p>The Cartridge, 12 Gauge Rubber Fin Stabilized Non-Lethal (DODIC AA31) ammunition is intended for use in crowd control situations where the use of non-lethal force is desired. This cartridge is used with the M500, M590, and M870 12-gauge, auto loading, and pump-action shotguns. The transparent plastic sleeve contains a rubber, fin stabilized projectile.</p> <p>The Cartridge, 40mm Foam Rubber Baton Non-Lethal (DODIC BA07) is intended for use in scenarios where the use of lethal incapacitating force is not warranted. The cartridge is used in M203 Grenade Launchers. The projectile consists of three foam rubber batons in an aluminum case.</p> <p>The Cartridge, 40mm Rubber Ball Non-Lethal (DODIC BA08) is intended for use in scenarios where the use of lethal incapacitating force is not warranted. The cartridge is used in the M203 Grenade Launcher. The cartridge contains 22 each .60 caliber rubber balls in an aluminum cartridge case. The rubber balls have a nominal velocity of 325 feet/second at a distance of 3 feet from the muzzle of the M203 Grenade Launcher.</p> <p>The Charge, Diversionary MK141 Mod 0 (DODIC DWBS) is a pyrotechnic device used for diversionary purposes. The Charge, Diversionary is a low hazard, nonshrapnel producing explosive device that produces an intense flash and sound report with a minimal amount of smoke.</p> <p>The (DODIC FZ14), L96E1 66mm anti riot CS (orthochlorobenzalmalonitrile) grenade is used in the Light Vehicle Obscurant Smoke System (LVOSS). It is comprised of 23 individual cannisters remotely fired from the vehicle interior.</p> <p>The (DODIC FZ15), L97E1 66mm anti riot cinammic acid grenade is used in training on the Light Vehicle Obscurant Smoke System (LVOSS). It is comprised of 23 individual cannisters remotely fired from the vehicle interior.</p> <p>The M98 distraction grenade (DODIC FZ16) uses a pyrotechnic charge for crowd control through audio and visual stimuli. The M98 is used with the Light Vehicle Obscurant Smoke System (LVOSS).</p> <p>The M99 Blunt Trauma Grenade (DODIC FZ17) uses a pyrotechnic charge to discharge 32 rubber balls and achieve crowd control through physical stimuli. The M99 is used with the Light Vehicle Obscurant Smoke System (LVOSS).</p>											

Exhibit P-40, Budget Item Justification, Continued							Date: FEBRUARY 2006				
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				P-1 Item Nomenclature: (162800) NON-LETHALS							
Program Element for Code B Items:				Other Related Program Elements							
	ID Code	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011		To Complete	Total Program
Proc Qty											
Gross Cost	A	1.140	1.112	4.030	4.174	5.731	0.000	0.000			16.187
<p>The Fuze, Hand Grenade M201A1/M201A1-1 (DODIC G874) is a pyrotechnic delay-igniting fuze. The body contains a primer, first-fire mixture, pyrotechnic delay column, and ignition mixture. The M201A1-1 (1330-01-456-5059) is used on the Grenade, Practice Body Non-Lethal (DODIC GG05).</p> <p>The Grenade, Practice Body Non-Lethal (DODIC GG05) is the practice version of DODIC GG04. The grenade body is a rubber sphere that contains a fuze well liner and is filled with .50 caliber rubber pellets. The rubber ball pellets remain within the body. The grenade body was designed to be utilized with the M201A1-1 Pyrotechnic Delay-igniting Fuze (DODIC G874).</p> <p>The Grenade, Practice Body Non-Lethal (DODIC GG13) will replace GG05 and is the practice version of DODIC GG04. The grenade body is a rubber sphere that contains a fuze well liner and is filled with .50 caliber rubber pellets. The rubber ball pellets remain within the body. The grenade body was designed to be utilized with the M201A1-1 Pyrotechnic Delay-igniting Fuze (DODIC G874/GG14).</p> <p>The Fuze, Hand Grenade (DODIC GG14) is a pyrotechnic delay-igniting fuze. The body contains a primer, first-fire mixture, pyrotechnic delay column, and ignition mixture.</p> <p>Funding changes are based on changes in the Total Munitions Requirement, the unit price of the rounds, production issues, MCCDC priorities, changes in starting inventory, the top level funding provided and programmatic issues for over 300 items across the FYDP. Each of these variables change at least once a year and result in fluctuations in the budget.</p>											

Exhibit P-40a, Budget Item Justification for Aggregated Items										Date: FEBRUARY 2006	
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				P-1 Item Nomenclature: (162800) NON-LETHALS							
	ID Code	FY2005	FY2006	FY2007						To Complete	Total
AA29, CTG, 12 GA BEAN BAG, NON LETHAL	A	0.000	0.000	0.185							
QTY		0	0	42,431							
AA31, CTG, 12 GA RUBBER, FIN STABILIZED	A	0.000	0.000	0.185							
QTY		0	0	61,666							
BA07, CTG, 40MM FOAM RUBBER BATON, NON-LETHAL	A	0.000	0.000	0.835							
QTY		0	0	105,429							
BA08, CTG, 40MM RUBBER BALL, NON-LETHAL	A	0.000	0.000	0.181							
QTY		0	0	22,911							
DWBS, CHARGE, DIVERSIONARY MK 141/0	A	0.263	0.000	0.883							
QTY		6,722	0	21,562							
G874, FUZE, GRENADE DETONATING	A	0.000	0.242	0.079							
QTY		0	69,142	21,883							
GG05, GRENADE, HAND, PRACTICE, NON-LETHAL	A	0.000	0.140	0.073							
QTY		0	12,058	5,988							
GG13, NOMENCLATURE TBD	A	0.115	0.000	0.000							
QTY		10,123	0	0							
GG14, FUZE, HAND GRENADE	A	0.100	0.000	0.000							
QTY		16,366	0	0							
TOTAL		0.478	0.382	2.421							

Exhibit P-5, Cost Analysis				Weapon System			Date: FEBRUARY 2006					
Appropriation Code/Budget Activity/Serial Number:				ID Code:	P-1 Line Item Nomenclature:							
Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				A	(162800) NON-LETHALS							
	FY05			FY06			FY07					
	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
WBS COST ELEMENTS												
FZ14, RIOT CONTROL (CS) GRENADE L96												
LOAD, ASSEMBLE & PACK (LAP)	0.299	1,879	159.13	0.138	790	174.68	0.042	230	181.46			
FZ15, PRAC RIOT CONTRL (CS) GREN L97												
LOAD, ASSEMBLE & PACK (LAP)	0.353	2,972	118.78	0.092	751	122.50	0.096	770	124.68			
FZ16, DISTRACTION GREN, M98 F/LVOS												
LOAD, ASSEMBLE & PACK (LAP)	0.000	0.000	0.000	0.292	1,399	208.72	0.374	1,753	213.35			
FZ17, BLUNT TRAUMA GREN, M99 F/LVOS												
LOAD, ASSEMBLE & PACK (LAP)	0.000	0.000	0.000	0.084	385	218.18	0.987	3,960	249.24			
PRODUCT												
PRODUCTION ENGINEERING	0.010			0.106			0.110					
NONRECURRING												
SHIPPING				0.018								
TOTAL	0.662			0.730			1.609					

[illegible]

Exhibit P-40, Budget Item Justification								Date: FEBRUARY 2006			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition					P-1 Item Nomenclature: (163000) AMMO MODERNIZATION						
Program Element for Code B Items:				Other Related Program Elements							
	ID Code	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011		To Complete	Total Program
Proc Qty											
Gross Cost	A	7.485	8.948	7.732	8.260	8.581	8.971	9.329			59.306
<p>Description: The 40MM Ammunition Modernization (Ammo Mod) consists of the procurement of components, end item modernization, repacking of modernized material and upgrading ammunition stocks suspended from use, and/or declared unsafe or unserviceable.</p> <p>The Rockets Ammunition Modernization (Ammo Mod) consists of the procurement of components, end item modernization, repacking of modernized material and upgrading ammunition stocks suspended from use, and/or declared unsafe or unserviceable.</p> <p>The Line charges Ammunition Modernization (Ammo Mod) consists of the procurement of components, end item modernization, repacking of modernized material and upgrading ammunition stocks suspended from use, and/or declared unsafe or unserviceable.</p> <p>The Components Ammunition Modernization (Ammo Mod) consists of the procurement of components of various items/DODICs and upgrading ammunition stocks suspended from use, and/or declared unsafe or unserviceable.</p> <p>The Missiles Ammunition Modernization (Ammo Mod) consists of the procurement of components, end item modernization, repacking of modernized material and upgrading ammunition stocks suspended from use, and/or declared unsafe or unserviceable.</p> <p>The Quality Evaluation Ammunition Modernization (Ammo Mod) consists of the procurement of components, end item modernization, repacking of modernized material and upgrading ammunition stocks suspended from use, and/or declared unsafe or unserviceable.</p> <p>Funding changes are based on changes in the Total Munitions Requirement, the unit price of the rounds, production issues, MCCDC priorities, changes in starting inventory, the top level funding provided and programmatic issues for over 300 items across the FYDP. Each of these variables change at least once a year and result in fluctuations in the budget.</p> <p>FY06 funding includes a Congressional Add of \$1.7M for Multi-Purpose Optic - USMC Systems Command.</p>											

Exhibit P-40a, Budget Item Justification for Aggregated Items										Date: FEBRUARY 2006	
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition					P-1 Item Nomenclature: (163000) AMMO MODERNIZATION						
	ID Code	FY2005	FY2006	FY2007						To Complete	Total
AM01, CTG, 40MM	A	7.307	2.804	1.374							
QTY		0	0	0							
AM02, ROCKETS AMMO MOD	A	0.031	1.228	1.272							
QTY		0	0	0							
AM03, LINE CHARGE AMMO MOD	A	0.041	1.228	1.272							
QTY		0	0	0							
AM04, COMPONENTS AMMO MOD	A	0.041	1.228	1.272							
QTY		0	0	0							
AM05, MISSILE COMP AMMO MOD	A	0.033	1.228	1.272							
QTY		0	0	0							
AM06, QUAL EVAL AMMO MOD	A	0.032	1.232	1.270							
QTY		0	0	0							
P40A Totals		7.485	8.948	7.732							

Exhibit P-40, Budget Item Justification								Date: FEBRUARY 2006			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition					P-1 Item Nomenclature: (166000) ITEMS LESS THAN \$5 MILLION						
Program Element for Code B Items:				Other Related Program Elements							
	ID Code	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011		To Complete	Total Program
Proc Qty											
Gross Cost	A	4.756	18.018	0.000	0.000	1.946	1.659	1.669			28.048
<p>Description: This funding (DODIC A001)supports the procurement of components used in building small arms cartridges in support of the Marine Corps Rifle Team, Quantico, Virginia.</p> <p>The Cartridge, 12 Gauge #00 Buckshot M162 (DODIC A011) is used for training, combat, and guard purposes with the M500, M590, and M870 12-gauge Auto-loading and Pump action Shotguns.</p> <p>The Cartridge, 12 Gauge door breaching MK246 Mod 0 (DODIC A024) is used to destroy locks and hinges on doors and automobiles with little or no collateral damage to the interior.</p> <p>The Cartridge, Caliber .22 Long Rifle Match (DODIC A091) is used in .22 caliber Remington Model 40X-H1 rifles for military marksmanship training.</p> <p>The Cartridge, Caliber .30 Blank M1909 (DODIC A222) is used for simulated firing in training or saluting purposes in the M1903 or M1 .30 Caliber Rifles.</p> <p>The Cartridge, Caliber .45 Ball M1911 (DODIC A475) is intended for use against personnel and used in the M1911/A1 Automatic Pistols, M1, M1A1, and M3 Submachine Guns.</p> <p>The Cartridge, 12 Gauge #00 Buckshot 3" (DODIC AA60) is used for training, combat, and guard purposes with the Joint Service Combat Shotgun.</p> <p>The Cartridge, Explosive Ordnance Disposal, 12 Gauge, MK274 MOD 0, Ultra Velocity Slug (DODIC AA62) is used in the Improvised Explosive Device (IED) standoff disrupter.</p> <p>The Cartridge, Explosive Ordnance Disposal, 12 Gauge, MK275 MOD 0, (DODIC AA63) is used in the Improvised Explosive Device (IED) standoff disrupter.</p> <p>The Cartridge, Explosive Ordnance Disposal, 12 Gauge, MK276 MOD 0, Low Velocity Blank (DODIC AA64) is used in the Improvised Explosive Device (IED) standoff disrupter package 160 Cartridge M2A1 Ammunition Container.</p>											

Exhibit P-40, Budget Item Justification, Continued							Date: FEBRUARY 2006				
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				P-1 Item Nomenclature: (166000) ITEMS LESS THAN \$5 MILLION							
Program Element for Code B Items:				Other Related Program Elements							
	ID Code	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011		To Complete	Total Program
Proc Qty											
Gross Cost	A	4.756	18.018	0.000	0.000	1.946	1.659	1.669			28.048
<p>Cartridge, Explosive Ordnance Disposal, 12 Gauge, MK278 MOD 0 (Black Powder Blank) (DODIC: AA66), is used in the Improvised Explosive Device (IED) standoff disrupter.</p> <p>The Cartridge, 75mm Blank M337A2 (DODIC C025) consists of a cartridge case of brass or aluminum containing loosely packed black powder and a press-fitted percussion primer. A fiberglass wad is inserted over the black powder and a polystyrene closing cup is cemented in place with a polyester resin adhesive. The M337A2 Cartridge is fired from the M116, M120, M1A1, M1A1C, and M3 Howitzer assemblies. Funds are identified to support drug interdiction requirements.</p> <p>Funds are identified to support drug interdiction requirements (DODIC: DRUG INT).</p> <p>Cartridge, 12 Gauge, MK 277 Mod 0 (Enhanced Blank), (DODIC DWEC) is used in the Improvised Explosive Device (IED).</p> <p>Cartridge, 12 Gauge, MK 279 Mod 0 (Steel Slug) (DODIC: DWED), is used in the Improvised Explosive Device (IED) standoff disrupter.</p> <p>Cartridge, 12 Gauge, MK 280 Mod 0 (Aluminum Slug) (DODIC: DWEE), is used in the Improvised Explosive Device (IED) standoff disrupter.</p> <p>Pyrotechnic Lead Spool, Assembly, MK 34 MOD 0 (for Pyrotechnic Lead, 1000 FT) (DODIC: DWEI), is packaged 2 reels per CNU - 405/E Ammunition Container.</p>											

Exhibit P-40, Budget Item Justification, Continued								Date: FEBRUARY 2006			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition						P-1 Item Nomenclature: (166000) ITEMS LESS THAN \$5 MILLION					
Program Element for Code B Items:				Other Related Program Elements							
	ID Code	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011		To Complete	Total Program
Proc Qty											
Gross Cost	A	4.756	18.018	0.000	0.000	1.946	1.659	1.669			28.048
<p>Transportation funds (FDTC) are required to support the distribution of Marine Corps' ammunition end items from manufacturing plants assembly points. These funds directly support training and readiness requirments of Marines in the field (CONUS or OCONUS).</p> <p>The Canine Explosive Scent Kit (DODIC: MN01) is composed of different samples of common explosives used to train dogs to detect explosives. The samples are packaged in individual containers. The types of explosives can vary based on the type of training being conducted. These samples may be of dynamite, time-safety fuze, C4, TNT, detonating cord, smokeless powder, and water gel explosive.</p> <p>These funds support the Marine Security Guard Battalion (DODIC: MSGB) ammunition requirements which are procured through the U.S. State Department.</p> <p>Funding changes are based on changes in the Total Munitions Requirement, the unit price of the rounds, production issues, MCCDC priorities, changes in starting inventory, the top level funding provided and programmatic issues for over 300 items across the FYDP. Each of these variables change at least once a year and result in fluctuations in the budget.</p> <p>\$6.2M of FY06 funds will be used to forward finance FY07 and FY08 requirements.</p> <p>FY05 funding includes \$.041M Supplemental funding for A222 .30 Cal Blank and FY06 funding includes \$16.5M provided in Title IX.</p>											

Exhibit P-40a, Budget Item Justification for Aggregated Items										Date: FEBRUARY 2006	
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				P-1 Item Nomenclature: (166000) ITEMS LESS THAN \$5 MILLION							
	ID Code	FY2005	FY2006	FY2007						To Complete	Total
A001, RIFLE TEAM AMMUNITION	A	0.199	0.845	0.000							
QTY		0	0	0							
A024, CTG, 12 GAGE LOCKBUSTER*	A	0.000	0.611	0.000							
QTY		0	718,823	0							
A091, CTG, CAL.22 LR MATCH F/RIFLE*	A	0.000	0.294	0.000							
QTY		0	1,547	0							
AA60, CTG 12 GUAGE SHOTGUN 3" 00 BUCKSHOT	A	0.386	3.221	0.000							
QTY		772,000	6,194,230	0							
AA62, CARTRIDGE, 12 GAUGE ULTRA VELOCITY SLUG	A	0.000	0.003	0.000							
QTY		0	721	0							
AA63, CARTRIDGE, 12 GAUGE AVON MK275 MOD 0	A	0.000	0.003	0.000							
QTY		0	480	0							
AA64, CARTRIDGE, 12 GAUGE LOW VELOCITY BLANK	A	0.000	0.003	0.000							
QTY		0	1,714	0							
AA66, CARTRIDGE, 12 GAUGE COM. BLACK POWDER	A	0.000	0.003	0.000							
QTY		0	1,224	0							
DWEC, CARTRIDGE, 12 GAUGE ENHANCED BLANK MK277	A	0.000	0.006	0.000							
QTY		0	1,445	0							
P-40A Sub-Total		0.585	4.989	0.000							

\* FY06 funds to be applied in FY07

Exhibit P-40a, Budget Item Justification for Aggregated Items										Date:
										FEBRUARY 2006
Appropriation Code/Budget Activity/Serial Number:					P-1 Item Nomenclature:					
Procurement of Ammunition, Navy and Marine Corps/2/Ammunition					(166000) ITEMS LESS THAN \$5 MILLION					
	ID Code	FY2005	FY2006	FY2007						To Complete
DWED, CARTRIDGE, 12 GAUGE CUSTOM STEEL SLUG MK	A	0.000	0.006	0.000						Total
QTY		0	916	0						
DWEE, CARTRIDGE, 12 GAUGE ALUMINUM SLUG MK280	A	0.000	0.006	0.000						
QTY		0	916	0						
DWEI, PYROTECHNIC INITIATOR MK34 MOD 0	A	0.000	3.823	0.000						
QTY		0	249,380	0						
FDTC, FIRST DEST TRANS CHARGE	A	2.780	4.566	0.000						
QTY		0	0	0						
MN01, SCENT KIT EXPL DETECT DOG	A	0.044	0.090	0.000						
QTY		55	111	0						
MSGB, MARINE SECURITY GUARD BATTALION AMMO	A	0.359	1.594	0.000						
QTY		0	0	0						
P-40A Sub-Total		3.183	10.085	0.000						
P-40A Total		3.768	15.074	0.000						

Exhibit P-5, Cost Analysis				Weapon System			Date: FEBRUARY 2006					
Appropriation Code/Budget Activity/Serial Number:				ID Code:	P-1 Line Item Nomenclature:							
Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				A	(166000) ITEMS LESS THAN \$5 MILLION							
WBS COST ELEMENTS	FY05			FY06			FY07					
	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
HARDWARE												
A011, CTG, 12 GAGE #00 BUCKSHOT												
LOAD, ASSEMBLE & PACK (LAP)	0.011	37,142	0.30									
BOX METAL M2A1(EA)	0.002	232	8.62									
A222, CTG, CAL. 30 BLANK												
COMPLETE ROUND	0.036	241,176	0.15	0.008	50,000	0.16						
A475, CTG, CAL .45 BALL												
LOAD, ASSEMBLE & PACK (LAP)	0.439	1,996,428	0.22	2.164	9,837,931	0.22						
BOX METAL M2A1(EA)	0.015	1,986	7.65	0.077	9,787	7.87						
C025, CTG, 75MM BLANK SLAUTE												
COMPLETE ROUND				0.079	1,519	52.00						
DRUG INTERDICTION												
QTY	0.375	781,250	0.48									
PRODUCT												
INDUSTRIAL STOCK SUPPORT												
INTERIM TRANSPORTATION												
PRODUCTION ENGINEERING	0.025			0.183								
QUALITY ASSURANCE	0.004			0.02								
NONRECURRING												
CONTINGENCY	0.081			0.413								
TOTAL	0.988			2.944								

[illegible]